(1) பக்கங்களின் எண்ணிக்கை 70

(2) புதுக்கித் திருப்பிய நாள் அக்டோபர் 90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

## தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பி. பொ துறை

| | | |
|---|---|---|
| அரசாணை எண். / மு. கோப்புத் தாள் எண். | 2558 ம | அச்சகம் / பலவகை |
| நாள் : | 14 — 9 — 1889 | 198 |

வோ கண்டபடி கையாளவோ கூடாது

35 Sheets

27+8 Sheets

கா-1—18,006—15-6-87.

1st July 1884, No. 621 I., Public Works.

GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

### Irrigation.

Read—the following papers :—

From Captain C. C. RAWSON, R.E., Executive Engineer, in charge I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 20th April 1884, No. 248 G.D.

With reference to memorandum, No. $\frac{I}{99}$ G.D., dated 4th October 1882, I have the honor to furnish a statement showing the names and cost of distributary works required to irrigate lands on both sides of the Kovur-Manjair canal.

2. In No. 1278 G.D., dated 29th August 1882, it was stated that the amount required to cover the cost of these distributary works which should be paid from irrigation funds was Rs. 12,540 as shown in the original estimate on the statement sent herewith.

3. In the revised estimate now submitted the cost of the distributary works amounts to Rs. 20,124, but I think that only those items shown in red ink should be charged to the delta project; their cost is Rs. 16,360, *i.e.* :—

| | RS. |
|---|---|
| 4 New sluices ... ... ... ... ... ... ... ... | 3,040 |
| 13½ Miles channel ... ... ... ... ... ... ... | 9,720 |
| Compensation for land . . ... ... ... ... ... | 3,600 |

4. The works shown in black ink in the revised list of distributary works only irrigate land formerly supplied with water from the Cocanada canal and its branches.

5. With reference to paragraph 2 of the memorandum under reference, no contribution has been paid from Irrigation funds, and the amount to be sanctioned from unforeseen works in the Godávari delta revised estimate is Rs. 16,360 as stated above.

6. With reference to paragraph 3 of the memorandum, I herewith submit the revised estimate * for the Kovur-Manjair canal, amounting to Rs. 1,63,510, showing a saving of Rs. 25,940 on the estimate sanctioned in G.O., No. 2776, dated 17th October 1876.

7. As directed in G.O., No. 161 I., dated 17th February 1883, the lock into the Cholangi creek has been omitted, also the aqueduct over the same, and the item for widening and deepening the Cholangi river.

8. A drain for diverting the drainage has been allowed for in lieu of the aqueduct.

9. The whole of the plans and estimates now sent were examined and approved of by Mr. Walch the late Superintending Engineer before he went on leave, but he had not time to send them up.

10. It is requested that the revised estimate may receive early sanction, as there is an allotment of Rs. 17,500 for the work in the current official year, and there will be a difficulty in spending this if sanction be not granted soon.

11. The revised estimate allows for a short branch canal to the salt platform; this was provided at the request of the Salt Department.

* Will follow.

### No. 115 I.

*Note by the Chief Engineer for Irrigation.*

The Kovur-Manjair junction canal was, with the approval of the Collector of the Godávari district and the Board of Revenue, undertaken to establish water communication between the Penungiduru salt-pans and the Cocanada canal, and to unite the

Cocanada and Coringa canals. Estimates, amounting to Rs. 1,89,450, which provided for aqueducts over the Bhavaram drain, the Cholangi river, the Tooliabhaga, and the Coorada drains, and also for a lock into the Cholangi river in order that boats might convey salt from the platforms directly into the interior, were sanctioned for the canal in G.O., No. 2776, dated 17th October 1876. The officers then in charge of the Salt Department were of opinion that the canal was necessary, in the interests of salt manufacture, to avoid the difficulty of navigating the Cholangi river. The total cost of the canal, including establishment and tools and plant charges, was to be met from the following funds as stated in Proceedings of Madras Government, No. 2150 W., dated 18th December 1877 :—

| — | Works. | Establishment. | Tools and plant. | Total. |
|---|---|---|---|---|
| | RS. | RS | RS. | RS. |
| Salt Department ... ... | 78,260 | 19,570 | 6,260 | 1,04,090 |
| Local funds ... ... ... | 30,000 | 7,500 | 2,400 | 39,900 |
| Canal and Ferry funds ... | 67,330 | 16,830 | 5,390 | 89,550 |
| Irrigation funds ... ... | 13,860 | 3,460 | 1,110 | 18,430 |
| Total ... | 1,89,450 | 47,360 | 15,160 | 2,51,970 |

2. The canal was excavated as far as the Cholangi river and opened to traffic; but when the lock into the river and the aqueduct over it were about to be commenced, the Commissioner of Salt Revenue apparently learned for the first time what was in contemplation, and wrote pointing out that if the works were carried out the salt factory would be ruined. The Superintending Engineer, I Circle, on a reference made to him on the subject by this office, reported that the injury complained of would not be as great as was represented; but the Commissioner of Salt Revenue did not alter his opinion. This department has no objection to stop the works and to divert the drainage, but it is noticed that this sudden change of views has resulted in a waste of time and money. The Superintending Engineer was, in G.O., No. 161 I., dated 17th February 1883, directed to stop the works and estimate the cost of diverting the drainage. The Executive Engineer, in charge of I Circle, has submitted, with his letter, No. 248 G.D., dated 20th April 1884, revised estimates for the canal, amounting to Rs. 1,63,510, or Rs. 25,940 less than the sanctioned estimates. The amount provided for distributaries required for irrigation in the revised estimates is Rs. 20,124, against Rs. 12,540 included in the sanctioned estimates as shown below :—

| | Sanctioned estimate. | Revised estimate. |
|---|---|---|
| | RS. | RS. |
| B. Land ... ... ... ... ... ... ... | 1,860 | 3,600 |
| C. Works ... ... ... ... ... ... ... | 4,560 | 5,094 |
| L. Earthwork... ... ... ... ... ... ... | 6,120 | 11,430 |
| Total ... | 12,540 | 20,124 |

The total area to be irrigated is 9,750 acres, of which 2,650 acres were formerly irrigated under the Cocanada and Coringa canals. The additional area to be brought under irrigation is therefore only 7,100 acres. The estimated cost of works required to bring this area under irrigation is 16,360, as shown below :—

| | RS. |
|---|---|
| B. Land ... ... ... ... ... ... ... ... ... | 3,600 |
| C. Works—<br>4 Irrigation sluices at Rs. 760 each... ... ... ... ... | 3,040 |
| L. Earthwork—<br>13½ miles of minor channels ... ... ... ... ... | 9,720 |
| Total ... | 16,360 |

This amount may be taken as the share chargeable to the Godávari delta. Under paragraph 1643 of the Public Works Code, all contributions from one fund to another should be adjusted in the civil accounts; but as the capital account of the delta should include all expenditure incurred on the delta works, it is recommended that the estimates for the distributary works, required for extension of irrigation, may be sanctioned from the balance of the lump sum provided for unforeseen works in the completion estimates of the delta. Deducting the amount to be separately sanctioned, the revised estimates for the canal amount to Rs. 1,47,150, and compare with the sanctioned estimates as shown below :—

| | Original estimate. | Revised estimate. |
|---|---|---|
| | RS. | RS. |
| *I Works.* | | |
| 1. (2) B. Land compensation ... ... ... | 8,280 | 8,280 |
| 2. ,, G. Kattipalli road bridge ... ... ... | 8,880 | 7,779 |
| 3. ,, Five cattle crossings ... ... ... ... | 550 | 550 |
| 4. ,, J. Cholangi river head lock ... ... ... | 21,600 | ... |
| 5. ,, L. Kovur-Manjair canal excavation ... ... | 45,590 | 52,345 |
| 6. ,, Cholangi river, widening and deepening ... | 19,720 | ... |
| 7. (3) B. Land compensation ... ... ... | 1,860 | ... |
| 8. ,, C. Sluices ... ... ... ... ... | 4,560 | 2,054 |
| 9. ,, L. Minor channels ... ... ... ... | 6,120 | 1,710 |
| 10. (4) B. Land compensation ... ... ... | ... | 2,775 |
| 11. ,, C. Aqueduct over Bhavaram drain ... ... | 11,920 | 5,840 |
| 12. ,, ,, Do. over Tooliabhaga drain ... ... | 28,140 | 40,000 |
| 13. ,, ,, Do. over Coorada drain ... ... | 14,340 | 10,171 |
| 14. ,, ,, Do. over Cholangi drain ... ... | 17,890 | 76 |
| 15. ,, L. Drain from culvert in Korapa road to Tooliabhaga drain... ... ... ... | ... | 2,205 |
| 16. ,, ,, Tooliabhaga new cut ... ... ... | ... | 9,200 |
| 17. ,, ,, Branch channel to salt-pans near Kattipalli road ... ... ... ... ... | ... | 2,540 |
| Total ... | 1,89,450 | 1,45,525 |
| Deduct amount proposed to be charged to Irrigation ... | 13,860 | |
| | 1,75,590 | |
| *Tools and Plant.* | | |
| 18. Ferry boat ... ... ... ... ... ... | ... | 275 |
| 19. Five ferry boats ... ... ... ... ... | ... | 1,350 |
| Total ... | ... | 1,625 |
| Total ... | 1,75,590 | 1,47,150 |

The canal, item 5, has been excavated up to the Cholangi river; K. Kottapalli road bridge, item 2, the Bhavaram and the Coorada aqueducts, items 11 and 13, have been built. Items 15 and 16 have been provided for in lieu of item 14, and items 4 and 6 are not required. The excess on item 12, which is mainly due to the enlargement of the aqueduct to enable it to pass the drainage diverted from the Cholangi creek, is nearly covered by the savings effected on items 11 and 13. The branch channel, item 17, has been provided for at the request of the Salt Department. Including the share of establishment and tools and plant charges, the revised estimates for the canal amount to Rs. 1,82,074, as shown below :—

| — | Outlay to end of 1883-84. | Further Outlay. | Total. |
|---|---|---|---|
| | RS. | RS. | RS. |
| *Works.* | 76,012 | 58,458 | 1,34,470 |
| Land compensation ... ... | 2,666 | 8,389 | 11,055 |
| Total ... | 78,678 | 66,847 | 1,45,525 |
| Establishment charges ... | 18,979 | 13,445 | 32,424 |
| Tools and plant do. ... | 1,623 | 2,502 | 4,125 |
| Total ... | 99,280 | 82,794 | 1,82,074 |

The amounts of further outlay under establishment and tools and plant have been estimated at 23 and 1½ per cent., respectively, on the estimate of expenditure on works, excluding land compensation. The cost of ferry boats required is also included in the estimate of tools and plant charges. The canal may be treated as primarily belonging to the canal and ferry funds, to which the expenditure already incurred was debited, the salt and local funds contributing towards the expenditure to the extent to which they are interested. Deducting Rs. 43,925, the saving effected under "works" by the revised arrangements from the portion chargeable to salt funds, the distribution of the amount of revised estimates among the several funds interested will be as shown below:—

| — | Works. | Establishment. | Tools and plant. | Total. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| Salt ... ... ... ... ... ... | 48,195 | 11,085 | 720 | 60,000 |
| Local funds .. ... ... ... ... | 30,000 | 6,900 | 450 | 37,350 |
| Canal and Ferry funds ... ... ... ... | 67,330 | 14,439 | 2,955 | 84,724 |
| Total ... | 1,45,525 | 32,424 | 4,125 | 1,82,074 |

OOTACAMUND, (Signed) J. O. HASTED, Colonel, R.E.,
13th June 1884. Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

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ORDER—dated 1st July 1884, No. 621 I., Public Works.

The proposal of the Chief Engineer for Irrigation to sanction estimates for distributary works on the Kovur-Manjair canal separately from the balance of the lump sum provided for unforeseen works in the Godávari completion estimates is approved, and the Superintending Engineer, I Circle, will submit estimates for the works for the sanction of Government. The revised estimates, amounting to Rs. 1,45,525, or Rs. 1,82,074, including establishment and tools and plant for the remaining works on the canal, are approved. The canal will be treated in the Public Works Department as primarily belonging to the canal and ferry funds, and the works will be sanctioned for execution when the question of contributions from the salt and local funds is decided in the Revenue and Financial Departments.

(True Extract.)

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

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Revenue Department.
" Financial "

Exd A. Aubert.
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8 3

IRRIGATION.

Govt. of (1884) Madras

PUBLIC WORKS.

*Dated July, 1st.*

*Recd.*

**G.O., 1st July 1884, No. 621 I.**

**JULY.**

**Kovur-Manjair Canal**

*The proposal to sanction estimates for distributary works on the* — separately from the balance of the lump sum provision for unforeseen works in the Godávari completion estimates, and the revised estimates of Rs. 1,45,525 for the remaining works on the canal, approved with remarks.

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2558

26th January 1886, No. 75 I., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following letter from the Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 15th January 1886, No. 2059 G.D. :—

I have the honor to submit, herewith, for sanction, an estimate for Rs. 1,930 for constructing a store-shed at Ralli lock, in the Godávari Central division.

2. The Central division officer, who sent the estimate, states that there is no store-shed in the division, and this shed is therefore required for storing the tools, &c., of the division.

3. This estimate is classed under 51. Irrigation and Navigation as per instructions from the Examiner, Public Works Accounts. The charge must therefore be met from the sum still available for unforeseen works connected with the Godávari delta project estimates.

Order—dated 26th January 1886, No. 75 I., Public Works.

The estimate, amounting to Rs. 1,930, for constructing a store-shed at Ralli lock, in the Godávari Central division, is sanctioned from the balance of the provision available for unforeseen works of the Godávari delta system, which will then be reduced to Rs. 7,139.

2. This sanction has been registered as No. 172 I. of 1885-86, and classified as shown below :—

N. Capital Expenditure on Irrigation Works not charged against Revenue.
51. Irrigation and Navigation.
Godávari Delta System.
Central Section.
I. Works.
(2) Main Canals and Branches.
Gunnaram Canal.
K. Buildings.
Constructing a store-shed at Ralli lock, Estimate ... ... Rs. 1,930

(True Extract.)

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

To the Superintending Engineer, I Circle, with one enclosure.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Revenue Department.

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IRRIGATION.
ACCOUNT.

Govt. of (1886) Madr

PUBLIC WORKS.

*Dated January, 26th.*

*Recd.*

**G.O., 26th Jan. 1886, No. 75**

**JANUARY.**

**Store-shed at Ralli Lock,**
**Godavari District**

Estimate for —, sanctioned.

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2558

19TH OCTOBER 1887, No. 2787 W., PUBLIC WORKS.

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

### Buildings and Roads.
### Civil Works.

READ—the following papers :—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 12th August 1887, No. 1301 G.D.

With reference to paragraph 3 of my letter, No. 553 G.D., dated the 31st May 1887, printed with G.O., No. 1684 W., dated the 23rd June 1887, I have the honor to submit herewith an estimate, amounting to Rs. 1,110, for "converting the store shed at Ralli into a division office," and to request that you will be so good as to obtain the sanction of Government to the same.

2. Nothing but what is *essentially* needed to make the shed suitable for use as a division office is provided in the estimate.

3. As the construction of the shed was originally sanctioned under "Capital Expenditure on Irrigation Works not charged against Revenue," the estimate now submitted is also classed under the same head if so sanctioned, and it will have to be met from the balance available for unforeseen works connected with the Godávari delta project estimates, but I consider that the present estimate would be more fairly charged to "Provincial."

No. 60 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that the estimate, amounting to Rs. 1,110, for converting the store shed at Ralli in the Godávari Central division into a division office, may be sanctioned from Provincial funds under Civil Buildings, a reference being made in the General Branch to the Government of India under clause VIII (c) of paragraph 1880 of the Public Works Code as regards the transfer from Irrigation to Roads and Buildings.

OOTACAMUND,
23rd September 1887.

(Signed) J. P. DAVIDSON,
*for* Chief Engineer for Irrigation.

ORDER—dated 19th October 1887, No. 2787 W., Public Works.

The estimate, amounting to Rs. 1,110, for converting the store shed at Ralli into an office for the Godávari Central division, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial, No. 104 W. of 1887-88, and classified as Civil Buildings, Original Works.

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3. Ordered that a copy of these proceedings be forwarded to the Government of India with the request that sanction may be accorded to the transfer of the shed from Irrigation to Provincial Civil Works with reference to clause VIII (*c*) of paragraph 1880 of the Madras Public Works Code.

(Here enter No. $\frac{\text{2787 W.}}{\text{A.}}$, dated 19th October 1887.)

(True Extract.)

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

To the Superintending Engineer, I Circle, with one enclosure.
" Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.

Exd. J. Moses.
Spare Copies

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BUILDINGS AND ROADS.
CIVIL WORKS.

# Govt. of (1887) Madras
PUBLIC WORKS.

*Dated October, 19th.*

*Recd.*

## G.O., 19th Oct. 1887, No. 2787 W.

OCTOBER.

**Store Shed at Ralli**

Estimate of Rs. 1,110 for converting the — into an office for the Godávari Central division, sanctioned.

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2558

19th October 1887, No. $\frac{2787\text{ W.}}{\text{A.}}$, Public Works.

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

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

Read—the following papers:—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 12th August 1887, No. 1301 G.D.

With reference to paragraph 3 of my letter, No. 553 G.D., dated the 31st May 1887, printed with G.O., No. 1684 W., dated the 23rd June 1887, I have the honor to submit herewith an estimate, amounting to Rs. 1,110, for "converting the store shed at Ralli into a division office," and to request that you will be so good as to obtain the sanction of Government to the same.

2. Nothing but what is *essentially* needed to make the shed suitable for use as a division office is provided in the estimate.

3. As the construction of the shed was originally sanctioned under "Capital Expenditure on Irrigation Works not charged against Revenue," the estimate now submitted is also classed under the same head if so sanctioned, and it will have to be met from the balance available for unforeseen works connected with the Godávari delta project estimates, but I consider that the present estimate would be more fairly charged to "Provincial."

No. 60 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that the estimate, amounting to Rs. 1,110, for converting the store shed at Ralli in the Godávari Central division into a division office, may be sanctioned from Provincial funds under Civil Buildings, a reference being made in the General Branch to the Government of India under clause VIII (*c*) of paragraph 1880 of the Public Works Code as regards the transfer from Irrigation to Roads and Buildings.

Ootacamund,
23rd September 1887.

(Signed) J. P. DAVIDSON,
*for* Chief Engineer for Irrigation.

Order—dated 19th October 1887, No. 2787 W., Public Works.

The estimate, amounting to Rs. 1,110, for converting the store shed at Ralli into an office for the Godávari Central division, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial, No. 104 W. of 1887-88, and classified as Civil Buildings, Original Works.

3. Ordered that a copy of these proceedings be forwarded to the Government of India with the request that sanction may be accorded to the transfer of the shed from Irrigation to Provincial Civil Works with reference to clause VIII (*c*) of paragraph 1880 of the Madras Public Works Code.

(Here enter No. $\frac{2787\ W.}{A.}$, dated 19th October 1887.)

(True Extract.)

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

To the Superintending Engineer, I Circle, with one enclosure.
„ Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, I Circle.
„ Chief Engineer for Irrigation.

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ENDORSEMENT—dated 19th October 1887, No. $\frac{2787\ W.}{A.\ 1}$, Public Works.

Forwarded.

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

Exd. J. Moses.
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5 8

BUILDINGS AND ROADS.
CIVIL WORKS.

# Govt. of (1887) Madras.

PUBLIC WORKS.

*Dated October, 19th.*

*Recd.* *Encl.*

**G.O., 19th Oct. 1887, No. 2787 W. / A.**

**OCTOBER.**

## Store Shed at Ralli

Copy of proceedings sanctioning an estimate for converting the — into an office for the Godávari Central division, forwarded to the Government of India with request for the transfer of the shed from Irrigation to Provincial Civil Works.

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2558

3RD JULY 1888, No. 383 I., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

Office Note to the Examiner, Public Works Accounts, dated 2nd December 1887, No. 221.

Office Note from the Examiner, Public Works Accounts, dated 13th December 1887, No. 870.

Memorandum to the Superintending Engineer, I Circle, dated 21st December 1887, No. 95 G.D.

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 18th June 1888, No. 729 G.D. :—

Referring to your memorandum No. 1/95 G.D., dated 21st December 1887, I have the honor to inform you that the actual outlay incurred on the store-shed at Ralli was Rs. 2,358-4-2 against the estimate Rs. 1,930, sanctioned in G.O. No. 75 I., dated 26th January 1886; and this amount (Rs. 2,358) may be accepted and credited to the balance of unforeseen works of the Godávari delta project.

2. The Executive Engineer states that the cause of excess (Rs. 428-4-2) over the sanctioned estimate was due to extra works having been executed under the sub-heads:

"Wood work," 40 cubic feet;
"Dressed faces and pointing," 174 square feet;
"Rubble work," 700 cubic feet;

and to the substitution of flat and pan-tiles in place of corrugated iron roofing. Under these circumstances, I request that you will be good enough to obtain the sanction of Government to the excess outlay in question.

No. 102 I.

Submitted to Government.

OOTACAMUND,
26th June 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

No 9

ORDER—dated 3rd July 1888, No. 383 I., Public Works.

Rs. 2,358, the expenditure incurred on the store-shed at Ralli, will, in accordance with para. 2 of the letter from the Government of India, No. 466 B., dated 19th November 1887 (*vide* Proceedings, Madras Government, No. 3253 W., dated 29th November 1887), be added to the balance of the amount reserved for unforeseen works of the Godávari delta system, which will then be raised to Rs. 12,400.

(True Extract.)

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

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

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IRRIGATION.
ACCOUNT.

# Govt. of {1888} Madras.

PUBLIC WORKS.

*Dated July, 3rd.*

*Recd.* *Encl.*

**G.O., 3rd July 1888, No. 383 I.**

**JULY.**

## Store-shed at Ralli

Directing that Rs. 2,358, the expenditure incurred on the —, be added to the balance of the amount reserved for unforeseen works of the Godávari delta system.

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2358

2nd July 1888, No. 1968 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

| | | | | |
|---|---|---|---|---|
| From the Superintending Engineer, | I Circle, | dated | 11th May 1888, | No. 95 G.L. |
| ,, ,, ,, | I ,, | ,, | 22nd ,, ,, | ,, 95 V.Z. |
| ,, ,, ,, | II ,, | ,, | 26th ,, ,, | ,, — |
| ,, ,, ,, | III ,, | ,, | 30th April ,, | (Six statements). |
| ,, ,, ,, | IV ,, | ,, | 9th May ,, | No. 173 E.W. |
| ,, ,, ,, | V ,, | ,, | 6th June ,, | ,, 951. |
| ,, ,, ,, | V ,, | ,, | 6th ,, ,, | ,, 956. |
| ,, ,, ,, | V ,, | ,, | 6th ,, ,, | ,, 960. |
| ,, ,, ,, | VI ,, | ,, | 6th May ,, | ,, 130 T.C. |
| ,, Consulting Architect to Government | | ,, | 10th ,, ,, | ,, 212. |

11

## ENCLOSURES.

### A.—STATEMENT showing the amounts applied for, and those granted under Provincial Civil Works.

| Divisions. | AMOUNTS APPLIED FOR |  |  |  |  |  |  | AMOUNTS ALLOTTED. |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | Minor Works. |  |  | Repairs. |  |  | Tools and Plant. | Minor Works. |  |  | Repairs. |  |  | Tools and Plant. |
|  | Civil Buildings. | Communications. | Miscellaneous Public Improvements. | Civil Buildings. | Communications. | Miscellaneous Public Improvements. |  | Civil Buildings. | Communications. | Miscellaneous Public Improvements. | Civil Buildings. | Communications. | Miscellaneous Public Improvements. |  |
|  | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| Ganjam | .. | .. | .. | 4,000 | .. | .. | 200 | .. | .. | .. | 4,000 | .. | .. | 200 |
| Rushikulya .. .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Vizagapatam .. .. .. | 680 | .. | .. | 3,000 | 14,880 | .. | 3,000 | 680 | .. | .. | 3,000 | 14,870 | .. | 1,500 |
| Godávari, Eastern .. .. | 300 | .. | .. | 6,000 | 12,000 | 200 | .. | 300 | .. | .. | 6,000 | 12,000 | 200 | .. |
| Do. Central .. .. | .. | .. | .. | 300 | .. | .. | .. | .. | .. | .. | 300 | .. | .. | .. |
| Do. Western .. .. | 280 | .. | .. | 200 | .. | .. | .. | 280 | .. | .. | 200 | .. | .. | .. |
| Kistna, Eastern .. .. .. | .. | .. | .. | 3,000 | .. | 500 | 500 | .. | .. | .. | 3,000 | .. | 500 | 500 |
| Do. Western .. .. | 115 | .. | .. | 1,134 | .. | .. | 50 | 115 | .. | .. | 1,100 | .. | .. | 50 |
| Nellore .. .. .. .. | 710 | .. | .. | 3,000 | .. | .. | 3,500 | 710 | .. | .. | 3,000 | .. | .. | 2,000 |
| Buckingham Canal .. .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Bellary .. .. .. .. | 1,700 | .. | .. | 2,000 | 7,000 | .. | 1,000 | 1,700 | .. | .. | 2,000 | 7,000 | .. | 1,000 |
| Cuddapah .. .. .. | 700 | .. | .. | 5,000 | .. | .. | 1,000 | 700 | .. | .. | 5,000 | .. | .. | 1,000 |
| Kurnool .. .. .. .. | 200 | .. | .. | 1,000 | .. | .. | 1,000 | 200 | .. | .. | 1,000 | .. | .. | 1,000 |
| Nílgiri .. .. .. .. | 3,535 | 3,000 | 1,410 | 20,000 | 51,000 | 2,000 | 17,750 | 3,535 | 3,000 | 1,410 | 20,000 | 50,000 | 2,000 | 12,042 |
| Coimbatore .. .. .. | 1,500 | .. | .. | 7,000 | .. | .. | 1,000 | 1,500 | .. | .. | 7,000 | .. | .. | 1,000 |
| West Coast .. .. .. | 9,654 | .. | .. | 10,000 | .. | .. | 1,500 | 9,654 | .. | .. | 10.000 | .. | .. | 1,000 |
| North Arcot .. .. .. | 3,750 | .. | .. | 1,000 | .. | .. | 500 | 3,750 | .. | .. | 1,000 | .. | .. | 500 |
| South do. .. .. .. | 1,380 | .. | .. | 1,200 | 1,000 | .. | 500 | 1,380 | .. | .. | 1,200 | 1,000 | .. | 500 |
| Chingleput .. .. .. | 3,000 | .. | .. | 10,400 | .. | .. | .. | 3,000 | .. | .. | 10,400 | .. | .. | .. |
| Presidency .. .. .. | 10,000 | .. | 1,000 | 70,000 | 13,500 | 3,000 | 3,500 | 10,000 | .. | 1,000 | 60,000 | 13,500 | 3,000 | 3,500† |
| Public Works Workshops .. .. | .. | .. | .. | 5,000 | .. | .. | 4,000 | .. | .. | .. | 5,000 | .. | .. | 3,000 |
| Do. Stores .. .. | 480 | .. | .. | 450 | .. | .. | 11,000 | 480 | .. | .. | 450 | .. | .. | 11,000‡ |
| Tanjore .. .. .. .. | 200 | .. | .. | 3,000 | .. | .. | 1,000 | 200 | .. | .. | 3,000 | .. | .. | 1,000 |
| Negapatam .. .. .. | 200 | .. | .. | 2,500 | .. | .. | 100 | 200 | .. | .. | 2,500 | .. | .. | 100 |
| Trichinopoly .. .. .. | 500 | .. | .. | 4,000 | .. | .. | 300 | 500 | .. | .. | 4,000 | .. | .. | 300 |
| Madura .. .. .. | 300 | .. | .. | 1,700 | .. | .. | 700 | 300 | .. | .. | 1,700 | .. | .. | 700 |
| Tinnevelly .. .. .. | 500 | .. | .. | 600 | .. | .. | 1,000 | 500 | .. | .. | 600 | .. | .. | 1,000 |
| Ramnad .. .. .. .. | .. | .. | .. | 980 | .. | .. | 450 | .. | .. | .. | 980 | .. | .. | 450 |
| Architect .. .. .. | 6,000 | .. | 2,000 | 20,000 | .. | 12,000 | 400 | 6,000 | .. | 2,000 | 20,000 | .. | 12,000 | 400 |
| Reserve with the Government .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Do. do. for Archæological Works .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 7,500* | .. | .. | .. |
| Total .. | 45,684 | 3,000 | 4,410 | 1,86,464 | 99,380 | 17,700 | 53,950 | 45,684 | 3,000 | 4,410 | 1,83,930 | 98,370 | 17,700 | 43,742 |

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* Includes Rs. 637 appropriated in G.O., No. 1519 W., dated 23rd May 1888 and Rs. 30 in G.O., No. 1956 W., dated 29th June 1888.

† Includes Rs. 2,226 referred to in G.O., No. 1635 W., dated 5th June 1888.

‡ Represents the amount promised in G.O., No. 486 W., dated 11th February 1888.

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### B.—Statement of requirements on account of Provincial incomplete works of 1887-88, and of new works sanctioned but not commenced.

| Division. | Item No. | Name of work. | Amount of estimate. | Number and date of sanction. | Past expenditure. | Balance of estimate. | AMOUNT APPLIED FOR FOR 1888-89. |  | AMOUNT ALLOTTED |  | Item No. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  | For incomplete works. | For new works. | For incomplete works. | For new works. |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|  |  | *Minor Works.* | RS. |  | RS. | RS. | RS. | RS. | RS. | RS. |  |  |
| Ganjam. .. | 1 | Constructing a dead-house in lieu of the existing one at Chicacole. | 515 | G.O., No. 3156 W., dated 29th November 1886. | .. | 515 | .. | 515 | .. | .. | 1 | No funds are available. |
| Vizagapatam .. | 2 | Alterations to the quarters of the medical subordinate attached to the Lunatic Asylum, Waltair. | 1,270 | G.O., No. 1796 W., dated 6th July 1887. | .. | 1,270 | .. | 1,270 | .. | .. | 2 |  |
|  | 3 | Two iron safes for Koraput treasury. | .. | .... | .. | .. | .. | 1,100 | .. | .. | 3 |  |
| Nellore .. | 4 | Quarters for a sub-divisional officer, Gúdúr. | 2,450 | G.O., No. 705 W., dated 1st March 1888 | .. | 2,450 | .. | 2,450 | .. | .. | 4 |  |
|  | 5 | Improving the workshops at Nellore. | 800 | G.O., No. 923 W., dated 21st March 1888. | .. | 800 | .. | 800 | .. | .. | 5 |  |
|  | 6 | Improvements to the out-offices of the Sub-Collector's bungalow, Ongole. | 1,185 | G.O., No. 2488 W., dated 21st September 1887. | 59 | 1,126 | 1,100 | .. | 1,100 | .. | 6 | From the reserve. |
| Bellary .. | 7 | Covering with corrugated iron sheeting the roof of the combined office for the Superintending and Executive Engineers at Bellary. | 1,380 | G.O., No. 530 W., dated 16th February 1888. | .. | 1,380 | .. | 1,380 | .. | 1,380 | 7 | From the reserve—*vide* G.O., No. 1737 W., dated 12th June 1888. |
| Cuddapah .. | 8 | Constructing a store-shed at Cuddapah. | 1,667 | G.O., No. 279 W., dated 4th February 1887. | .. | 1,667 | .. | 1,667 | .. | .. | 8 | No funds are available. |
|  | 9 | Purchase of a private building at Nandalore for use as Public Works stores and inspection bungalow. | 650 | G.O., No. 453 W., dated 8th February 1888. | .. | 650 | .. | 650 | .. | .. | 9 |  |
| Nílgiri .. | 10 | Renewing the roof of clerks' offices on Stonehouse Hill. | 2,250 | G.O., No. 2872 W., dated 25th October 1887. | 1,456 | 794 | 794 | .. | 794 | .. | 10 | From the reserve. |
|  | 11 | Tiling the roof of All Saints' Church, Coonoor. | 1,350 | G.O., No. 962 W., dated 23rd March 1888. | .. | 1,350 | .. | 1,350 | .. | .. | 11 | No funds are available. |
|  | 12 | Erecting verandahs to the peons' quarters on Stonehouse Hill. | 2,360 | G.O., No. 1194 W., dated 23rd April 1888. | .. | 2,360 | .. | 2,360 | .. | 2,360 | 12 | From the reserve—*vide* G.O., No. 1194 W., dated 23rd April 1888. |
|  | 13 | Constructing rough stone revetments on Coonoor-Kullar road. | 1,380 | G.O., No. 684 W., dated 27th February 1888. | 819 | 561 | 561 | .. | 561 | .. | 13 | From the reserve. |
|  | 14 | Improving the approaches and widening the roadway of the Pykara bridge on the Kullar-Gúdalúr road. | 1,000 | G.O., No. 265 W., dated 23rd January 1888. | .. | 1,000 | .. | 1,000 | .. | 1,000 | 14 | From the reserve—*vide* G.O., No. 265 W., dated 23rd January 1888. |
|  | 15 | Alterations to the road near the Adam Memorial Fountain, Ootacamund. | 940 | G.O., No. 532 W., dated 16th February 1888 | 119 | 821 | 821 | .. | .. | .. | 15 | Rs. 940 were provided in G.O., No. 1283 W., dated 2nd May 1888. The excess provision, Rs. 119, is resumed and credited to the reserve. |

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## B.—Statement of requirements on account of Provincial incomplete works of 1887-88, &c.—*cont.*

| Division. | Item No. | Name of work.* | Amount of estimate. | Number and date of sanction. | Past expenditure. | Balance of estimate. | AMOUNT APPLIED FOR FOR 1888-89. | | AMOUNT ALLOTTED | | Item No. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | For incomplete works. | For new works. | For incomplete works. | For new works. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | *Minor Works*—cont. | RS. | | RS. | RS. | RS. | RS. | RS. | RS. | | |
| Presidency .. | 16 | Improvements to the chancel of St. Andrew's Church, Bangalore. | 1,440 | G.O., No. 1305 W., dated 3rd May 1888. | 2 | 1,438 | 1,438 | .. | 1,438 | .. | 16 | From the reserve. |
| Trichinopoly .. | 17 | Constructing a compound wall and latrine for the District Munsif's Court at Ariyalúr. | 1,230 | G.O , No. 3100 W., dated 23rd November 1886. | 388 | 842 | 842 | .. | 842 | .. | 17 | |
| Tinnevelly .. | 18 | Constructing a solitary cell and latrine in the District Jail, Tinnevelly. | 1,128 | G.O., No 3089 W., dated 16th November 1887. | .. | 1,128 | .. | 1,128 | .. | .. | 18 | No funds are available. |
| Architect .. | 19 | Making experiments in producing decorative porcelain. | 500 | ,, ,, | 422 | 78 | 78 | .. | .. | .. | 19 | Appropriation is not necessary under Code para. 1908, Part III. |
| | 20 | Reconstructing the parapet wall on the north side of the Revenue Board Office with stone. | 1,190 | G.O., No 2143 W , dated 12th August 1887. | 1,135 | 55 | 55 | .. | .. | .. | 20 | |
| | 21 | Providing four new wooden weather boards to the office of the Examiner of Public Works Accounts. | 469 | ,, ,, | 356 | 113 | 113 | .. | .. | .. | 21 | |
| | 22 | Providing a new screen to the Consulting Architect's office. | 53 | ,, ,, | 23 | 30 | 30 | .. | .. | .. | 22 | |
| | 23 | Providing a small room by partitioning off the east end of the wing on the upper floor of the Chepâk buildings occupied by the Settlement Department. | 356 | ,, ,, | .. | 356 | .. | 356 | .. | .. | 23 | No funds are available. |
| | 24 | Clearing the site of the old fishing village and sewage farm. | 1,566 | G.O., No. 2851 W., dated 29th October 1886. | 1,378 | 188 | 188 | .. | .. | .. | 24 | Appropriation is not necessary under Code para. 1908, Part III. |
| | 25 | Laying pipes for the supply of water to St. Andrew's Church at Madras. | 662 | G.O., No. 1170 W., dated 18th April 1888. | .. | 662 | .. | 662 | .. | 662 | 25 | From the reserve—*vide* G.O., No. 1170 W., dated 18th April 1888. |
| | | Total .. | .. | | .. | .. | 6,020 | 16,688 | 4,735 | 5,402 | | |
| | | *Major Works.* | | | | | | | | | | |
| Vizagapatam .. | 26 | Additional accommodation for the Huzur treasury at Vizagapatam. | 9,890 | G.O., No. 1180 W., dated 20th April 1888. | 9,196 | 694 | 530 | .. | 530 | .. | 26 | From the reserve. |
| | 27 | Constructing an hospital at Ganapuram. | 4,020 | G.O., No. 421 W., dated 6th February 1888. | 2,040 | 1,980 | 1,980 | .. | 1,980 | .. | 27 | |
| | 28 | Completing the taluk office at Potinghi with a police station and sub-jail. | .. | .... | 3,316 | .. | 4,000 | .. | .. | .. | 28 | The question of providing funds for the work will be considered on receipt of the estimate. |
| | 29 | Constructing an office for the General Deputy Collector at Vizianagrum. | 5,000 | G.O., No. 491 W., dated 11th February 1888. | .. | 5,000 | .. | 5,000 | .. | .. | 29 | No funds are available. |
| Godávari, Eastern. | 30 | Constructing a church at Cocanada. | 18,380 | G.O., No. 586 W., dated 5th March 1886. | 12,867 | 5,513 | 801 | .. | 801 | .. | 30 | From the reserve. Rs. 801 represent balance of contribution by Government. |
| | 31 | Constructing a dispensary at Bhádrachalam. | 4,246 | G.O., No. 1804 W., dated 3rd August 1885. | 3,309 | 937 | 937 | .. | 937 | .. | 31 | From the reserve. |
| | 32 | Constructing a residence for the Executive Engineer at Dowlaishweram. | 16,300 | G.O., No. 1869 W., dated 23rd June 1888. | 14,929 | 1,371 | 1,371 | .. | 1,371 | .. | 32 | Do. |
| Godávari, Central | 33 | Converting the store-shed at Ralli into an office for the Central division. | 3,040 | G O., No. 302 W., dated 25th January 1888. | 2,586 | 454 | 3,256 | .. | .. | .. | 33 | Rs. 3,040 were provided in the budget—*vide* item No. 61. The Superintending Engineer will explain fully the circumstances in which Rs. 3,256 are required when part outlay is said to be Rs. 2,586. |
| Do. Western. | 34 | Constructing a first-class taluk office at Bhimavaram. | 22,650 | G.O., No. 3563, dated 20th December 1875. | 24,307 | .. | 1,363 | .. | .. | .. | 34 | The question of providing funds for the work will be considered on receipt of revised estimate. |
| Bellary .. | 35 | Collector's office at Anantapur .. | 64,290 | G.O., No. 2571 W., dated 2‑th September 1887. | 63,427 | 863 | 863 | .. | 863 | .. | 35 | From the reserve. |
| Cuddapah .. | 36 | Additions and alterations to the District Jail at Cuddapah. | 31,900 | G.O., No. 2883 W., dated 3rd December 1885. | 23,903 | 7,997 | 7,997 | .. | 7,997 | .. | 36 | |
| | 37 | Improving Christ Church at Cuddapah. | 3,176 | G.O., No. 1019 W., dated 29th March 1888. | .. | 3,176 | .. | 3,176 | .. | .. | 37 | No funds are available. |
| Nílgiri .. | 38 | Repairs to Mount Stuart property, Ootacamund. | 19,945 | G.O., No. 1615 W., dated 13th July 1885. | 16,646 | 3,299 | 3,299 | .. | 3,299 | .. | 38 | From the reserve. |
| | 39 | Constructing a Roman Catholic Church at Wellington. | 33,576 | G.O., No. 2791 W., dated 19th October 1887. | 23,864 | 9,712 | 2,260 | .. | 2,260 | .. | 39 | |
| | 40 | Providing accommodation for the court of the Subordinate Judge, Ootacamund. | 59,030 | G.O., No. 1540 W., dated 25th May 1888. | 50,026 | 9,004 | 3,004 | .. | .. | .. | 40 | Rs. 6,000 are provided in the budget. Additional funds required should be applied for later in the year. |
| | 41 | Improvements to the District Jail buildings, Ootacamund. | 2,950 | G.O., No 1450 W., dated 17th May 1888. | 2,205 | 745 | 745 | .. | 745 | .. | 41 | From the reserve—*vide* G.O., No. 1639 W., dated 5th June 1888. |
| | 42 | Constructing eight cart stands on the road from Kullar to Ootacamund. | 6,100 | G.O., No. 58 W., dated 7th January 1886. | 4,722 | 1,378 | 1,378 | .. | .. | .. | 42 | No further expenditure to be incurred. |
| | 43 | Improving the water-supply of that portion of Ootacamund lying north of the lake. | 1,70,000 | G.O., No. 1545 A/W., dated 18th June 1886. | 1,42,995 | 27,005 | 27,005 | .. | 20,000 | .. | 43 | From the reserve. The balance may be applied for later in the year. |
| | 44 | Constructing a road from Calicut to Vayitri. | 4,11,965 | G.O , No. 913 W., dated 20th March 1888. | 3,10,925 | 1,01,040 | 11,050 | .. | .. | .. | 44 | Rs. 90,000 are provided in the budget. The balance of the estimate may be applied for later in the year. |
| Coimbatore .. | 45 | Repairs and improvements to the Government taluk school at Námakal. | 4,300 | G.O., No. 471 W., dated 9th February 1888. | .. | 4,300 | .. | 4,300 | .. | 3,148 | 45 | From the reserve, being the portion of the Government grant—*vide* G.O., No. 471 W., dated 9th February 1888. |

2358
220
8
2586

2358
890
8
3256
220
3476

## B—Statement of requirements on account of Provincial incomplete works of 1887-88, &c.—*cont.*

| Division. | Item No. | Name of work. | Amount of estimate. | Number and date of sanction. | Past expenditure. | Balance of estimate. | Amount applied for for 1888-89. |  | Amount allotted |  | Item No. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  | For incomplete works. | For new works. | For incomplete works. | For new works. |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|  |  | *Major Works*—cont. | RS. |  | RS. | RS. | RS. | RS. | RS. | RS. |  |  |
| West Coast .. | 46 | Constructing public offices at Ponáni. | 74,521 | G.O., No. 2597 W., dated 23rd October 1884. | 65,384 | 9,137 | 9,137 | .. | 9,137 | .. | 46 | From the reserve. |
|  | 47 | Law Courts at Calicut .. .. | 1,23,656 | G.O., No. 1454 W., dated 17th May 1888. | 1,07,106 | 13,094 | 13,094 | .. | .. | .. | 47 | Rs. 13,500 were provided in the budget and Rs. 3,456 in G.O., No. 1454 W., dated 17th May 1888. The excess provision, Rs. 406, is resumed and credited to the reserve. |
|  | 48 | Constructing Sea Custom House and store-shed at Cochin. | 17,940 | G.O., No. 2427 W., dated 2nd October 1884. | 5,491 | 12,449 | 7,000 | .. | .. | .. | 48 | Rs. 5,000 are provided in the budget. If additional funds are required, application may be made later in the year. |
|  | 49 | Collector's office at Calicut .. | 1,89,970 | G.O., No. 1186 W., dated 21st April 1888. | 10,119 | 1,79,851 | 20,000 | .. | 5,200 | .. | 49 | From the reserve. In addition to Rs. 14,800 allotted for land compensation in G.O. No. 1234 W., dated 26th April 1888. |
|  | 50 | Constructing a residence for the Assistant Superintendent of Police, Malapuram. | 13,660 | G.O., No. 3034 W., dated 16th December 1885. | 12,600 | 1,060 | 1,060 | .. | .. | .. | 50 | Rs. 3,200 are provided in the budget. The excess provision, Rs. 2,140, is resumed and credited to the reserve. |
| South Arcot .. | 51 | District Munsif's Court at Chidambaram. | 11,155 | G.O., No. 239 W., dated 20th January 1888. | .. | 11,155 | .. | 5,000 | .. | .. | 51 | No funds are available. |
|  | 52 | Taluk office, Tirukoilúr .. | 20,680 | G.O., No. 770 W., dated 7th March 1888. | .. | 20,680 | .. | 5,000 | .. | .. | 52 |  |
|  | 53 | Do. Tindivanam .. | 22,640 | Do. do. | .. | 22,640 | .. | 7,000 | .. | .. | 53 |  |
|  | 54 | Constructing an embankment to the Gadilam river to protect the town of Tirupápuliyúr. | 10,630 | G.O., No. 1809 W., dated 18th June 1888. | 6,812 | 3,818 | 3,818 | .. | 3,818 | .. | 54 | From the reserve. |
| Chingleput .. | 55 | Completing the Agricultural College at Saidápet. | 24,520 | G.O., No. 1792 W., dated 15th July 1886. | 21,331 | 3,189 | 3,189 | .. | 3,189 | .. | 55 |  |
|  | 56 | Artesian boring in the Kortalayár Valley. | 8,745 | G.O., No. 3147 W., dated 21st November 1887. | 6,027 | 2,718 | 2,718 | .. | 2,718 | .. | 56 |  |
| Presidency .. | 57 | Providing lightning conductor to the Government Central Museum, Madras. | 2,850 | G.O., No. 1946 W., dated 8th August 1881. | 20 | 2,830 | 3,458 | .. | .. | .. | 57 | The question of providing funds for the work will be considered on receipt of the revised estimate. |
|  | 58 | Putting new roof over the close prison cells in the Madras Penitentiary. | 11,200 | G.O., No. 2724 W., dated 16th October 1886. | 9,176 | 2,024 | 2,024 | .. | 2,024 | .. | 58 | From the reserve. |
| Presidency .. | 59 | Widening the Elephant Gate Bridge, Madras. | 20,200 | G.O., No. 3303 W., dated 3rd December 1887. | 9,506 | 10,694 | 10,694 | .. | .. | .. | 59 | The Financial Department will be requested to provide the necessary funds. |
|  | 60 | Raising the walls and renewing the roof of the stables and tiffin rooms of the Public Works Workshops, Madras. | 3,450 | G.O., No. 1268 W., dated 1st May 1888. | .. | 3,450 | .. | 3,450 | .. | 3,450 | 60 | From the reserve—*vide* G.O., No. 1268 W., dated 1st May 1888. |
|  | 61 | Self-acting shutters at 3 bridges on the Kuam river. | 36,856 | G.O., No. 1730 W., dated 11th June 1888. | .. | 36,856 | .. | 5,000 | .. | 5,000 | 61 | From the reserve—*vide* G.O., No. 1730 W., dated 11th June 1888. |
| North Arcot .. | 62 | Improvements to the Sub-Magistrate's office at Punganúr. | 4,480 | G.O., No. 1306 W., dated 25th May 1886. | 3,799 | 681 | 681 | .. | 681 | .. | 62 | From the reserve. |
| Trichinopoly .. | 63 | District Jail at Trichinopoly .. | 85,244 | G.O., No. 3275 W., dated 1st December 1887. | 70,405 | 14,839 | 4,839 | .. | .. | .. | 63 | Rs. 10,000 are provided in the budget. Application should be made later in the year for additional grant required. |
|  | 64 | Converting the Artillery barracks at Trichinopoly into an office for the Collector. | 5,300 | G.O., No. 668 W., dated 27th February 1888. | .. | 5,300 | .. | 5,300 | .. | 5,300 | 64 | From the reserve—*vide* G.O., No. 1864 W., dated 22nd June 1888. |
| Tanjore .. | 65 | Tahsildar's office at Máyavaram .. | 11,680 | G.O., No. 342 W., dated 7th February 1887. | 4,907 | 6,773 | 2,093 | .. | .. | .. | 65 | Rs. 4,680 are provided in the budget. The balance of the estimate will be provided late in the year on application by the Superintending Engineer. |
| Negapatam .. | 66 | Improving the District Munsif's Court at Mannárgudi. | 5,010 | G.O., No. 1841 W., dated 8th August 1885. | 4,059 | 951 | 951 | .. | 951 | .. | 66 | From the reserve. |
|  | 67 | District Munsif's Court at Tiruválúr. | 12,970 | G.O., No. 481 W., dated 10th February 1888. | 5,133 | 7,837 | 940 | .. | 940 | .. | 67 | From the reserve. In addition to Rs. 6,897 provided in the budget. |
|  | 68 | Alterations and improvements to St. Joseph's College buildings at Negapatam to fit them for use as public offices. | 52,490 | G.O., No. 531 W., dated 16th February 1888. | 37,819 | 14,611 | 3,121 | .. | .. | .. | 68 | Rs. 12,360 are provided in the budget. The balance of the estimate may be applied for later in the year. |
| Madura .. | 69 | Preservation of Tirumal Naik's palace at Madura and adaptation for public offices. | 3,35,109 | G.O., No. 3095 W., dated 14th November 1887. | 3,33,660 | 1,449 | 3,868 | .. | 864 | .. | 69 | From the reserve. In addition to Rs. 585 provided in the budget. Further allotment will be made on receipt of the revised estimate. |
| Tinnevelly .. | 70 | Constructing a first-class taluk office at Srívaikuntham. | 25,940 | G.O., No. 533 W., dated 16th February 1888. | .. | 25,940 | .. | 10,000 | .. | 10,000 | 70 | From the reserve—*vide* G.O., No. 1337 W., dated 7th May 1888. |
|  | 71 | Re-constructing the printing office at Kokarakulam. | 8,960 | G.O., No. 666 W., dated 27th February 1888. | .. | 8,960 | .. | 5,000 | .. | 5,000 | 71 | From the reserve—*vide* G.O., No 666 W., dated 27th February 1888. |
| Architect .. | 72 | Additions to the College of Engineering, Chepâk. | 90,066 | G.O., No. 2547 W., dated 29th September 1886. | 67,019 | 23,047 | 23,047 | .. | 23,047 | .. | 72 | From the reserve. |
|  |  | Total .. | .. | .... | .. | .. | 1,87,571 | 58,226 | 93,352 | 31,898 |  |  |

## B.—Statement of requirements on account of Provincial Incomplete works of 1887-88, &c.—*cont.*

| Division. | Item No. | Name of work. | Amount of estimate. | Number and date of sanction. | Past expenditure. | Balance of estimate. | AMOUNT APPLIED FOR FOR 1888-89 |  | AMOUNT ALLOTTED |  | Item No. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  | For incomplete works. | For new works. | For incomplete works. | For new works. |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|  |  | *Registration.* | RS. |  | RS. | RS. | RS. | RS. | RS. | RS. |  |  |
| Vizagapatam .. | 73 | Sub-registrar's office, Chodavaram. | 2,450 | G.O., No. 751 W., dated 22nd March 1886. | .. | 2,450 | .. | 2,450 | .. | .. | 73 | No funds are available. |
|  | 74 | Converting into a Registrar's office the building known as canteen in Vizagapatam. | 897 | G.O., No. 805 W., dated 31st March 1885. | .. | 897 | .. | 897 | .. | .. | 74 |  |
| Godávari, Eastern. | 75 | Sub-registrar's office, Prattipad .. | 3,400 | G.O., No. 796 W., dated 10th March 1888. | .. | 3,400 | .. | 3,400 | .. | .. | 75 |  |
| Godávari, Western. | 76 | Do. do. Ellore .. | 3,380 | G.O., No. 1241 W., dated 27th April 1888. | 1,858 | 1,522 | 1,522 | .. | 1,522 | .. | 76 | From the reserve. |
| Ganjam .. | 77 | Do. do. Tekkali .. | 2,380 | G.O., No. 191 W., dated 17th January 1888. | .. | 2,380 | .. | 1,000 | .. | .. | 77 | No funds are available. |
| Nellore .. | 78 | Do. do. Atmakúr .. | 3,185 | G.O., No. 176 W., dated 21st January 1886. | .. | 3,185 | .. | 1,500 | .. | .. | 78 |  |
| Kistna, Western | 79 | Do. do. Bápatla .. | 2,860 | G.O., No. 1622 W., dated 27th June 1884. | 1,009 | 1,851 | 1,851 | .. | 1,851 | .. | 79 | From the reserve. |
| Cuddapah .. | 80 | Registrar's office at Cuddapah .. | 5,192 | G.O., No. 1493 W., dated 12th June 1886. | 3,899 | 1,293 | 1,293 | .. | 1,293 | .. | 80 |  |
|  | 81 | Sub-registrar's office at Váyalpád. | 2,435 | G.O., No. 719 W., dated 23rd March 1885. | 2,119 | 316 | 316 | .. | .. | .. | 81 | Appropriation is not necessary under Code para. 1908, Part III. |
|  | 82 | Do. do. at Chitvél .. | 2,040 | G.O., No. 1232 W., dated 14th May 1884. | 1,001 | 1,039 | 1,039 | .. | 1,039 | .. | 82 | From the reserve. |
| Coimbatore .. | 83 | Do. do. at Sálúr .. | 2,750 | G.O., No. 1587 W., dated 13th June 1887. | .. | 2,750 | .. | 2,750 | .. | .. | 83 | No funds are available. |
|  | 84 | Do. do. at Gobichettypalayam. | 2,680 | G.O., No. 278 W., dated 4th February 1887. | .. | 2,680 | .. | 2,680 | .. | .. | 84 |  |
|  | 85 | Sub-registrar's office at Kollegal. | 2,630 | G.O., No. 1790 W., dated 14th July 1882. | 900 | 1,730 | 1,730 | .. | 1,730 | .. | 85 | From the reserve. |
|  | 86 | Additions to the taluk office for a Sub-registrar's office at Salem. | 2,365 | G.O., No. 418 W., dated 6th February 1888. | .. | 2,365 | .. | 2,365 | .. | .. | 86 | No funds are available. |
|  | 87 | Adding a record room to the Sub-registrar's office at Avanáshi. | 880 | G.O., No. 2867 W., dated 2nd November 1886. | .. | 880 | .. | 880 | .. | .. | 87 |  |
| West Coast .. | 88 | Sub-registrar's office at Koduvayur | 2,940 | G.O., No. 525 W., dated 26th February 1886. | 1,471 | 1,469 | 1,469 | .. | 1,469 | .. | 88 | From the reserve. |
|  | 89 | Improvements and additions to the Sub-registrar's office at Quilandi. | 1,010 | G.O., No. 816 W., dated 12th March 1888. | .. | 1,010 | .. | 1,010 | .. | 1,010 | 89 | From the reserve. *Vide* G.O., No. 816 W., dated 12th March 1888. |
|  | 90 | Providing additional accommodation to the Sub-registrar's office at Vetatapudiyangádi. | 1,350 | G.O., No. 2926 W., dated 26th November 1884. | .. | 1,350 | .. | 1,350 | .. | 1,350 | 90 | From the reserve. *Vide* G.O., No. 831 W., dated 13th March 1888. |
| North Arcot .. | 91 | Sub-registrar's office at Tirutani .. | 2,230 | G.O., No. 3046 W., dated 26th October 1883. | 709 | 1,521 | 1,521 | .. | 1,521 | .. | 91 | From the reserve. |
|  | 92 | Do. do. at Kuppam. | 2,850 | G.O., No. 2944 W., dated 5th November 1887. | .. | 2,850 | .. | 2,850 | .. | .. | 92 | No funds are available. |
|  | 93 | Do. do. at Arkónam. | 2,575 | G.O., No. 655 W., dated 24th February 1888. | .. | 2,575 | .. | 2,575 | .. | .. | 93 |  |
| South Arcot .. | 94 | Do. do. at Merkanam | 3,196 | G.O., No. 827 W., dated 13th March 1888. | .. | 3,196 | .. | 1,500 | .. | .. | 94 |  |
|  | 95 | Do. do. at Vanur .. | 3,080 | G.O., No. 827 W., dated 13th March 1888. | .. | 3,080 | .. | 1,500 | .. | .. | 95 |  |
| Madura .. | 96 | Do. do. at Tirumangalam. | 2,864 | G.O., No. 2502 W., dated 23rd October 1885. | 2,405 | 459 | 602 | .. | 602 | .. | 96 | From the reserve. |
|  |  | Total .. | .. |  | .. | .. | 11,343 | 28,707 | 11,027 | 2,360 |  |  |
|  |  | *Police.* |  |  |  |  |  |  |  |  |  |  |
| Ganjam .. | 97 | Rebuilding the police hospital at Chicacole. | 1,480 | G.O., No. 2342 W., dated 31st August 1887. | .. | 1,480 | .. | 1,480 | .. | .. | 97 | No funds are available. |
|  | 98 | Twenty-six police huts for the reserve police at Parlákimedi. | 7,150 | G.O., No. 490 W., dated 11th February 1888. | .. | 7,150 | .. | 7,150 | .. | .. | 98 |  |
| Nellore .. | 99 | Police huts at Moolapett .. | 3,300 | G.O., No. 1834 W., dated 19th July 1886. | .. | 3,300 | .. | 3,300 | .. | .. | 99 |  |
|  | 100 | Converting the old sub-jail at Nellore into a town police station. | .. | .... | .. | .. | .. | 2,500 | .. | .. | 100 |  |
|  | 101 | Police huts at Thettu .. .. | 1,350 | G.O., No. 1834 W., dated 19th July 1886. | .. | 1,350 | .. | 1,350 | .. | .. | 101 |  |
|  | 102 | Police huts at Naidupett .. | 2,490 | G.O., No. 419 W., dated 6th February 1888. | .. | 2,490 | .. | 2,490 | .. | .. | 102 |  |
|  | 103 | Police station house at Podili .. | 2,100 | G.O., No. 419 W., dated 6th February 1888. | .. | 2,100 | .. | 2,100 | .. | .. | 103 |  |
| Bellary .. | 104 | Police huts at Vanavole .. | 2,928 | G.O., No. 88 W., dated 11th January 1887. | 600 | 2,328 | 2,328 | .. | 2,328 | .. | 104 | From the reserve. |
| Kurnool .. | 105 | Nine constables' huts at Pattikonda. | 2,903 | G.O., No. 923 W., dated 26th March 1887. | 1,298 | 1,605 | 1,605 | .. | 1,605 | .. | 105 |  |
| Nílgiri .. | 106 | Constructing two additional police huts and providing court-yards to the existing huts at Kotagiri. | 2,155 | G.O., No. 826 W., dated 13th March 1888. | .. | 2,155 | .. | 2,155 | .. | .. | 106 | No funds are available. |
|  | 107 | Repairs to the police station huts and inspector's quarters at Wellington. | 1,200 | G.O., No. 3084 W., dated 16th November 1887. | 400 | 800 | 800 | .. | 800 | .. | 107 | From the reserve. |
|  | 108 | Constructing out-houses for the police inspector at Nellakóta. | .. | .... | .. | .. | .. | 665 | .. | .. | 108 | No funds are available. |
|  | 109 | Repairs to the police station and huts at Coonoor. | 1,845 | G.O., No. 3084 W., dated 16th November 1887. | 500 | 1,345 | 1,345 | .. | 1,345 | .. | 109 | From the reserve. |
| Coimbatore .. | 110 | Constructing a first-class police station at Salem. | 2,556 | G.O., No. 289 W., dated 24th January 1888. | .. | 2,556 | .. | 2,556 | .. | .. | 110 | No funds are available. |
| West Coast .. | 111 | Additions and improvements to the office of the Superintendent of police, Mangalore. | 10,383 | G.O., No. 616 W., dated 21st February 1888. | 8,850 | 1,533 | 1,533 | .. | 1,533 | .. | 111 | From the reserve. |
|  | 112 | Constructing ten police huts at Putur. | 3,067 | G.O., No. 85 W., dated 10th January 1888. | .. | 3,067 | .. | 3,067 | .. | .. | 112 | No funds are available. |
|  | 113 | Constructing six police huts at Sultan's Battery in Wynaad. | 1,920 | G.O., No. 894 W., dated 19th March 1888. | .. | 1,920 | .. | 1,920 | .. | .. | 113 |  |

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### B.—Statement of requirements on account of Provincial Incomplete works of 1887-88, &c.—*cont.*

| Division. | Item No. | Name of work. | Amount of estimate. | Number and date of sanction. | Past expenditure. | Balance of estimate. | Amount applied for for 1888-89 — For incomplete works. | Amount applied for for 1888-89 — For new works. | Amount allotted — For incomplete works. | Amount allotted — For new works. | Item No. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|  |  | *Police*—cont. | RS. |  | RS. | RS. | RS. | RS. | RS. | RS. |  |  |
| South Arcot .. | 114 | Constructing a third-class police station-house at Kanagarput. | 1,460 | G.O., No. 2274 W., dated 30th September 1885. | 930 | 530 | 530 | .. | 530 | .. | 114 | From the reserve. |
| Presidency .. | 115 | Additions and alterations to the office of the Inspector-General of Police, Madras. | 1,874 | G.O., No. 2833 W., dated 22nd October 1887. | 500 | 1,374 | 1,374 | .. | 1,374 | .. | 115 |  |
| Madura .. | 116 | Constructing a third-class police station-house and one head and five constables' huts at Samayanallur. | 2,690 | G.O., No. 1206 W., dated 22nd May 1886. | 2,041 | 649 | 783 | .. | 783 | .. | 116 |  |
|  |  | Total .. | .. | .... | .. | .. | 10,298 | 30,733 | 10,298 | .. |  |  |

Order—dated 2nd July 1888, No. 1968 W., Public Works.

With the papers above recorded, Superintending Engineers and the Consulting Architect to Government submit statements of demands under Provincial for incomplete works of 1887-88 and for minor new works, repairs, and tools and plant for 1888-89.

2. The provision in the budget under "Reserve" was Rs. 2,27,213, and it has been since reduced to Rs. 2,20,957 with reference to modifications of grants subsequently sanctioned. Adding to this Rs. 2,665, the total of the amounts resumed from the grants already provided for items 15, 47 and 50 of statement B printed with these Proceedings, the sum available for distribution is Rs. 2,23,622.

3. The demands under original works amount to—

|  |  |
|---|---|
|  | RS. |
| Incomplete major works ... ... ... ... ... ... | 1,87,571 |
| Do. minor works ... ... ... ... ... ... | 6,020 |
| Do. Registration works ... ... ... ... ... | 11,343 |
| Do. Police works ... ... ... ... ... | 10,298 |
| Lump sum for minor works ... ... ... ... ... ... | 53,094 |
| Total ... | 2,68,326 |
| New major works ... ... ... ... ... ... ... | 58,226 |
| Do. minor works ... ... ... ... ... ... ... | 16,688 |
| Do. Registration works ... ... ... ... ... ... | 28,707 |
| Do. Police works ... ... ... ... ... ... ... | 30,733 |
| Total demands ... | 4,02,680 |

4. The allotments sanctioned under original works are detailed in statements A and B, and they amount to—

|  |  |
|---|---|
|  | RS. |
| Incomplete major works ... ... ... ... ... ... | 93,352 |
| Do. minor works ... ... ... ... ... ... | 4,735 |
| Do. Registration works ... ... ... ... ... | 11,027 |
| Do. Police works .. ... ... ... ... ... | 10,298 |
| Lump sum for minor works ... ... ... ... ... ... | 53,094 |
| Total ... | 1,72,506 |
| New major works ... ... ... ... ... ... ... | 31,898 |
| Do. minor works ... ... ... ... ... ... ... | 5,402 |
| Do. Registration works ... ... ... ... ... ... | 2,360 |
| Do. Police works ... ... ... ... ... ... ... | ... |
| Total allotments ... | 2,12,166 |

5. The demands under incomplete major works include additions to allotments already provided in the budget, but these demands have not been complied with, with the exception of items 49, 67 and 69, as it is now too soon to consider the question of supplementing budget grants. Funds have been provided for all other incomplete works brought forward by Superintending Engineers and the Consulting Architect to Government. The sum of Rs. 1,378 required for completing the cart stands on the road from Kullar to Ootacamund has not been provided as the Government decline to allow any more money to be spent on the work.

6. In the case of new works, grants have been provided only for those the urgency of which has already been brought to the notice of Government, and for which provision of funds was promised to be considered when disposing of the demands on account of incomplete works.

7. The marginally noted works should have been included in the Superintending Engineers' budget-estimates for 1888-89. Funds have now been allotted to them with much inconvenience, as the small reserve with the Government is intended chiefly for such incomplete works as were expected to be completed before 31st March 1888, but were delayed owing to unforeseen causes.

* Item 30. Additions and alterations to the District Jail, Cuddapah.
Item 43. Water-supply of northern section, Ootacamund.
Item 46. Public offices, Ponáni.

8. The Superintending Engineer, V Circle, applies for a sum of Rs. 10,694 for expenditure during the current official year on "widening the Elephant Gate Bridge, Madras." With reference to G.O., No. 1090 M. (Local and Municipal), dated 22nd October 1887, the Financial Department will be requested to place the amount at the disposal of this department.

9. The demands under "Repairs" and "Tools and Plant" and the allotments sanctioned against them are shown in statement A. The demands under Communications and Miscellaneous Public Improvements being in excess of the budget provision under those heads, a sum of Rs. 8,570 has been transferred from the budget provision under "Civil Buildings," viz., Rs. 6,370 to "Communications" and Rs. 2,200 to "Miscellaneous Public Improvements," and the demands under Tools and Plant have been reduced to bring the total sum within the budget provision, Rs. 43,742.

10. A sum of Rs. 5,200 is appropriated from the "Reserve" to meet the increased provision under Tools and Plant, London supplies, with reference to the indents alluded to in G.Os., Nos. 1467 W., dated 18th May 1888, and 1965 W., dated 2nd July 1888.

(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.
" Financial Department.
" Judicial Department.
" Educational Department.
" Public Department.
" Ecclesiastical Department.
" Revenue Department.

Exd. L. Passaigne.
Spare Copies

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28 17

GENERAL.
ACCOUNT.

# Govt. of (1888) Madras.

## PUBLIC WORKS.

*Dated July, 2nd.*

*Recd.* *Encl.*

**G.O., 2nd July 1888, No. 1968 W.**

**JULY.**

**Funds**

Orders on statements of demands under Provincial for incomplete works of 1887-88 and for minor new works, repairs and tools and plant for 1888-89.

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GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

General.
Account.

Read,—the following paper:—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 23rd July 1889, No. 1063 G.D.

With reference to G.O., No. 3523 W., dated 6th November 1888, sanctioning the distribution of the reserve limit of stock of Dowlaishweram Workshops at Rs. 50,000, I have the honor to request you will be good enough to obtain the sanction of Government for the redistribution of the same as shown below:—

| — | Reserve limit (*vide* G.O., No. 3523 W., dated 6th November 1888). | Proposed redistribution. | Remarks. |
|---|---|---|---|
| | RS. | RS. | |
| Small stores ... ... | 3,000 | 3,000 | |
| Timber ... ... ... | 15,000 | 10,000 | As the purchase of timber has been restricted, the original reserve limit of Rs. 15,000 is susceptible of reduction. |
| Metals ... ... ... | 20,000 | 23,500 | The increase is proposed to meet the value of stores which are expected from England in the current year. |
| Fuel ... ... ... | 1,400 | 1,400 | |
| Painter's stores ... ... | 1,000 | 2,500 | The increase is proposed to meet the value of paints received from England. |
| House fittings ... ... | 400 | 400 | |
| Miscellaneous ... ... | 2,600 | 2,600 | |
| Tools and plant ... ... | 6,600 | 6,600 | |
| Total ... | 50,000 | 50,000 | |

Order—dated 9th August 1889, No. 2145 W., Public Works.

The proposed redistribution of the reserve limit of stock of the Dowlaishweram Workshops is sanctioned.

(True Extract.)

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

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. J. Henricus.
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9 18

GENERAL.
ACCOUNT.

# Govt. of {1889} Madras.

## PUBLIC WORKS.

*Dated August, 9th.*

*Recd.*

*Encl.*

**G.O., 9th Aug. 1889, No. 2145 W.**

**AUGUST.**

### Dowlaishweram Workshops

Redistribution of the reserve limit of
ock of the —, sanctioned.

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2558

28th August 1889, No. 411 I., Public Works.

# GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following paper:—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 11th June 1889, No. 662 G.D.

I have the honor to bring to your notice that the Executive Engineer, Eastern division, Godávari, has incurred an excess expenditure of Rs. 6,711 over the estimate of Rs. 40,000 for constructing an aqueduct over Thuliabaga drain on Kovur-Munjair junction canal, which was sanctioned in G.O., No. 336 I., dated 30th March 1885, under "Other Incorporated Local," and to request you will be good enough to obtain the sanction of Government to the same.

2. The excess is chiefly due (1) to the aqueduct being lengthened by 4½ feet owing to the introduction of abutment piers, (2) to the estimate not having provided for the long distance the material had to be carried, (3) to the insufficient provision made in the estimate for plastering with Portland cement, (4) to the average width of 2·0 feet being given to the drain arches, whereas an average width of 1·5 feet was allowed in the estimate, (5) to two seasons having been taken to complete the work, (6) to the construction of abutment piers with rough stone in Surki cement instead of with rough stone in chunam, (7) to the intermediate piers being constructed with rough stone in Portland cement instead of with rough stone in chunam, (8) to the building of the edges of floor and abutment piers and ends of arches and piers with Cyclopean stone in Surki cement instead of with rough hammer dressed stone and face dressed stone respectively, (9) to the building of the caps of cut-waters and cut-waters of drains, arches, ordinary piers, with Cyclopean stone in Portland cement instead of with dressed faces, (10) to the amount provided in the estimate for contingencies being insufficient owing to the extra work having been carried out.

Order—dated 28th August 1889, No. 411 I., Public Works.

The Examiner of Public Works Accounts is authorized to admit the outlay incurred on the work "Constructing an aqueduct over the Thuliabaga drain," Kovur-Munjair junction canal, Godávari Eastern division, the excess expenditure of Rs. 6,711 being charged, as shown below, in the proportions of 5, 3 and 8, which represent nearly the ratio of the distribution of the revised estimates for the Kovur-Munjair canal reviewed in Proceedings of Madras Government, No. 621 I., dated 1st July 1884:—

| | RS. |
|---|---|
| Provincial ... ... ... ... ... ... ... ... | 2,250 |
| Local Funds ... ... ... ... ... ... ... ... | 1,250 |
| Canal and Ferry Funds ... ... ... ... ... ... ... | 3,211 |
| Total ... | 6,711 |

2. This sanction has been registered as No. 49 I. of 1889-90.

(True Extract.)

(Signed) G. T. WALCH,
Ag. Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Superintending Engineer, I Circle.
" Examiner, Public Works Accounts,
with one completion report.
" Revenue Department.
" Local and Municipal Department.

Exd. P. L. Pereira.
Spare Copies

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20

IRRIGATION.
ACCOUNT.

# Govt. of {1889} Madras.

PUBLIC WORKS.

*Dated August, 28th.*

*Recd.* *Encl.*

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**G.O., 28th Aug. 1889, No. 411 I.**

---

## AUGUST.

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**Aqueduct over the Thuliabaga Drain, Kovur-Munjair Junction Canal, Godavari District**

The Examiner, Public Works Accounts, authorized to admit the outlay incurred on the —.

---

C No 8105

## Note:

25

There is nothing on record in this office about the loss of materials manufactured at Ralli. Under para 1850 of the P. W. Code, losses in the manufacture of materials should be adjusted under the sanction of the Superintending Engineer by charge to the works for which the materials were intended, and the Supdg Engineer seems to have acted in accordance with this rule in ordering the loss to be debited proportionately to works without reporting the loss to the Chief Engineer vide Explanation (6) on the last page of the accompanying Completion report. Only a portion of the total loss appears to have been debited to the present estimate. Please see the concluding portion of para 2 of the Supdg Engineer's letter.

2d. May/5/9

P.T.O

Dir

Submitted -

As the S.E. appears to have acted within his powers with respect to the loss on materials, perhaps a report will not be required.

Ca

5.9.87

The excess outlay may be sanctioned

MCB

5.9.87

B/

No. 1684 W d/23.6.87

" $\frac{2787}{4}$ W d/19.10.87

" 3253 W d/29.11.87

PWC No 607

2558

Rg 21.1.88

No 302 W d/ 25th January/88

With order

---

1888.

Office Note No. 977

Madras, 20 January 1888.

To W.

G.O. No. 2787 W. dated 19th October 1887.

In para 1 of the above G.O. it is stated that the Estimate for converting the store shed at Nelli is sanctioned for execution when funds are available. Funds have not yet been made available, but an outlay of Rs. 648-7-6 has already been incurred on the work in question to end of November 1887. The matter is reported for the orders of Government.

2. As the original cost of the store shed, which was constructed from Irrigation funds, will now have to be written back to debit of Provincial under G.O. No. 3253 W. dated 29th November 1887, it is thought that a fresh Estimate including the original cost of the shed (Rs. 1,930) should be sanctioned in lieu of the Estimate sanctioned in the G.O. under reference.

C.

No. 20 dated 25th January 1888

PPH
28/1

Communicated to the Supdg. Engineer I Circle who will report the circumstances under which outlay on this work has been incurred in anticipation of allotment of funds.

The estimate sanctioned in GO 2787 W dated 19th Octr/87 will be increased by Rs 1930, the original cost of the building and will now stand at Rs 3040/-. The write back to the debit of Provincial funds will be deferred till a specific allotment to meet the charge can be made. This will be done early in April next, should funds not become available meanwhile.—

23.1.88

23/1/88

SE I Circle

Ex PWD

Hw 23.1.88

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REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.

PARAS. 1966 TO 1969.

1560 W 7 10/6/89
1286 W 7 14/5/89

258 PWC No 6141

P. W. D. FORM.
No. M 112.

CENTRAL OFFICE OF ACCOUNTS.

Regd

CIRCLE First

~~FUND~~ Buildings & Roads Branch

1/4-7-89 in duple

**Provincial Statement of Objectionable Items in the Accounts of Executive Engineers for the month of** March **188**9.

(B)

23

20/7

2558

## Provincial Statement of Objectionable Items in the accounts of Executive Engineers for the month of March 1889 requiring the orders of Government.

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared. | Comparison with Estimate. | | | Comparison with Appropriation of the Year. | | | Expenditure during the Month. | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | Vizagapatam Dn | | | | | | | | No [illegible] dated [illegible] 1889 |
| | Want of Estimate<br>Imperial | | | | | | | | | | |
| 1 | Repairs to the Regimental Hospl. Madl, Vizianagaram | March 1889 | - | 245 | 245 | - | | | [illegible] | (1) The Executive Engineer states that the Estimate has been sanctioned by him, but that the Circle register No is awaited. The Superintending Engineer's opinion has not been received. The outlay being over Rs 200, the Estimate is beyond the Executive Engineer's ~~opinion~~ power of sanction vide Code para 320 (a) | As the amount of the estimate is beyond the Executive Engineer's powers of sanction early steps should be taken for obtaining the sanction of the Supg Engineer to the estimate |
| 2 | Annual repairs to the Military buildings of the 28th Regiment Madras Native Infantry | do | - | 423 | 423 | | | | 423 | (2) The Executive Engineer states that the Estimate has been submitted to the Superintending Engineer for sanction. The opinion | Noted |

13

[P. W. D. Form No. M 112—Inner Sheet.]

2558

# Provincial Statement of Objectionable Items in the accounts of Executive Engineers for the month of March 1889 requiring the orders of Government.

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared. | Comparison with Estimate. | | | Comparison with Appropriation of the Year. | | | Expenditure during the Month. | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | of the Superintending Engineer has not been received. | |
| | Want of Estimate<br>General<br>Tools and Plant<br>New supplies for the Ganjam Division | | Ganjam Dn | | | | | | | | |
| 3 | Making 300 hand hammers | Jany 1889 | - | 209 | 209 | - | - | - | | (3) The Executive Engineer states that an Estimate will be prepared and sent to the Superintending Engineer for sanction as soon as freight charges from Dowlaishweram to Gopalpur are known. The Superintending Engineer's opinion has not yet been received. | Noted |
| | Repairs<br>Communications | | Godavari Eastern Dn | | | | | | | | |
| 4 | Placing stone bund across the opened scouring sluices at Dummagudem | March 1889 | - | 1329 | 1329 | - | - | - | 1329 | (4) The Executive Engineer states that the stone has been collected on emergency and that the necessary Estimate has been | Noted<br>Noted |

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## Provincial Statement of Objectionable Items in the accounts of Executive Engineers for the month of March 1889 requiring the orders of Government.

2558

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared | Comparison with Estimate. | | | Comparison with Appropriation of the Year. | | | Expenditure during the Month. | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | called for from the Sub Divisional Office The opinion of the Superintending Engineer has not been received | |
| | | | Ganjam Dn. | | | | | | | | |
| 5 | Want of Estimate<br>Civil Department<br>Miscellaneous<br>Parlakimedi Estate<br>Repairs to Kimedi Parapuram road | Feb 1889 | . | 979 | 979 | — | | | | (5) The Executive Engineer states that an Estimate is awaited from the Sub Divisional Officer The Superintending Engineer refers to the Executive Engineer's remark | An estimate for the work should be sanctioned without delay |
| | | | Godavari Central Dn. | | | | | | | | |
| 6 | Excess over Estimate<br>~~Constructing~~ Converting a store shed at Rolle into an Office for Godavari Central Division | Dec 1888 | 2000 | 2758 | 758 | — | | | | (6) The Executive Engineer in Objectionable Items Statement for March/89 states that the work has been closed and that the excess will | Noted |

No 26

## Provincial Statement of Objectionable Items in the accounts of Executive Engineers for the month of March 1889 requiring the orders of Government.

2558

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared. | Comparison with Estimate. Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Comparison with Appropriation of the Year. Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. | Expenditure during the Month. | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | be explained in the Completion Report. The Superintending Engineer in Objectionable Items Statement for January 1889 has passed the item without any remark. | |
| | | | Godavari Eastern Dn | | | | | | | | |
| 7 | Excess over Estimate<br>Other Incorporated Original Works<br>Aqueduct over Shuliabhaga drain | March 1888 | 6000 | 6712 | 712 | – | – | – | [illegible] | (7) The excess being over 5 percent on the Estimate, the sanction of Government is necessary to pass the same. Vide Code para 852 C (3). The objection has been outstanding over 38 months. | The submission of the completion report for this work should be expedited. |
| 8 | IV. Excess over Appropriation<br>Imperial<br>Military Repairs | Jany 1889 | – | – | – | 2700 | 4070 | 1370 | 15 | (8) The Executive Engineer states that additional funds have been applied for, but that Government have | The outlay incurred in excess of allotment may be admitted in the |

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[P. W. D. Form No. M 112—Inner Sheet.]

2558

# Provincial Statement of Objectionable Items in the accounts of Executive Engineers for the month of March 1889 requiring the orders of Government.

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared. | Comparison with Estimate. | | | Comparison with Appropriation of the Year. | | | Expenditure during the Month. | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | stated that they are not available, that the excess will, it is expected, be covered from lapses of grants in other Divisions under the same head. The Superintending Engineer's opinion not yet received. The formal sanction of Government to the excess to be awaited. | the accounts for 1888–89<br>the accounts for 1888/89 |
| | Miscellaneous Irregularities<br>Non submission of work vouchers | Vizagapatam Do. | | | | | | | | | |
| 9 | Completing road from Polinghi to Koraput | March 1889 | 259,195 ✓ | 139,950 ✓ | — | — | — | — | 2,828 ✓ | (9 to 11) The Executive Engineer promises to submit work vouchers as soon as Ten day reports are received from Sub Divisional officers. The Superintending Engineer's opinion has not been received | Noted<br>Noted |
| 10 | Constructing New Polinghi Ghât road | do | 105,381 ✓ | 104,000 ✓ | — | — | — | | 2,392 ✓ | | |
| 11 | Maintenance of Polinghi Ghât road | do | 10,500 ✓ | 8,869 ✓ | — | — | | | 1,037 ✓ | | |

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[P. W. D. Form No. M 112—Inner Sheet.]

2558

## Provincial Statement of Objectionable Items in the accounts of Executive Engineers for the month of March 1889 requiring the orders of Government.

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared. | Comparison with Estimate. |  |  | Comparison with Appropriation of the Year. |  |  | Expenditure during the Month. | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  | Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. |  |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|  | Other Irregularities |  | Godavari Eastern Div. |  |  |  |  |  |  |  |  |
| 12 | Loss by sale of materials at site of the Church at Cocanada | March 1888 | - | 1641 | - | - | - | - |  | (12) The Executive Engineer states that the Local Fund Engineer has been requested to give fully the reasons for the loss for submission to the Superintending Engineer. The loss being over Rs 500/ it was pointed out to the Superintending Engineer that the sanction of Government is necessary under Code para 1973. | The receipt of the explanation called for is awaited. |
|  | Miscellaneous Irregularities<br>Stock Account Current Part II |  | Dowlaishweram Workshops |  |  |  |  |  |  |  |  |
| 13 | Excess over reserve limit<br>Painters Stores | Feby 1889 | Sanctioned limit<br>1000 | Balance at end of March/89<br>1913 | Excess<br>913 |  |  |  |  | (13) The Executive Engineer states that the excess is due to the receipt of Painters Stores from England and that sanction will be obtained for ex | Noted |

4000—1-3-89.

18 29

Provincial Statement of Objectionable Items in the accounts o Executive Engineers for the month of March 2558 1889.
requiring th orders of Government.

| Item No. | Particulars of each Item. | Month in the Accounts of which Objectionable Expenditure first appeared. | Comparison with Estimate. | | | Comparison with Appropriation of the Year. | | | | Opinion of the Superintending Engineer, with final Remarks by the Examiner. | Orders by Government. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Amount of Estimate. | Expenditure up to Date. | Excess over Estimate. | Amount of Appropriation. | Expenditure of the Year. | Excess over Appropriation. | Expenditure during the Month. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | increase of the present limit of reserve stock after the receipt of articles still due from England.<br>The Superintending Engineers remarks are awaited.<br>The sanction of Government to the excess over the authorized amount of reserve stock is necessary. | |

Cn/ 12.7.89

No.______

Forwarded for orders to the Secretary to Government, Public Works Department, Madras.

Major R.E.

Examiner of P. W. Accounts,
Madras.

Madras,
Dated 3d July 1889 } Od 2/7 Mb 25/6

To The Supdg Engr I Circle
thro' The Examiner P.W. Accts

D 15/7

30

No. 1386 W.

FROM,

Major D. McNeil Campbell R.E.

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

Enclo: 1.

DOWLAISHWERAM, ~~2~~ August 1889

SIR,

In forwarding herewith a Completion Report for the work "Converting a Store shed at Ralli into an Office" for the Godavari Central Dn, I have the honor to inform you that an excess outlay of Rs. 698 has been incurred over the estimate (Rs 3041) sanctioned for the work in the G.Os noted in the margin.ˣ

ˣG.O. No 75 Dd 26-1-86
G.O. No 2787 W Dd 19-10-87

2. The Executive Engineer states that the cause of excess was due to extra works having been executed under the Subheads:

Wood work 40 cft

Dressed faces & pointing } 174 sft

ele work) 700 cft

the substitution of flat and pantiles in place of corrugated iron roofing and to the doors and windows having been paid for at enhanced rates, in consequence of recent increased rate of workshop Centage and to the loss on materials manufactured at Ralli which have been proportionately debited to this work.

3. Under the above explanation, I request you will be good enough to obtain the sanction of Government autho-rising the Examiner of P.W.A to pass the excess outlay (Rs 698) on the above named work.

I have the honor to be
Sir,
Your most Obedt Servant

J. W. Campbell Major R.E.
Superintending Engineer
B Circle

Bmo 2620 W d/ 24. 8. 88.
" " 2347 W of 2-8-88
" A " 383 I d/ 3-7-88
" " " 1968 W of 2-7-88
" B " 302 W of 25-1-88.
" " " 3253 W of 29-11-87
" A " 2787 W/A of 19-10-87
" " " 1684 W of 23-6-87
" " " 75 I of 26-1-86.

FROM, G.W. No 8105

Major D. McNeil Campbell R.E.
SUPERINTENDING ENGINEER

(1) FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DATED 21st }
DESPATCHED 23rd } August 1889
RECEIVED 30 }

NO. 1386 G.D.

ENCLOSURES 1

SUBJECT.

Converting the Store Shed at Ralli into an office.

Requesting to obtain the Sanction of Government authorising the Examiner to pass the excess expenditure incurred on-

13-9-89

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O.S. 37/4

Public Works Department.

2538

Current No. 8105

Letter No. 1386 G.D.

Dated 21st August 1889

From the Supg: Engr. I Circle

See within. M.C.S. 3.9.89

NOTE OF REMARKS.

The Supg: Engr. I Circle submits a Completion Report (for the Conversion of the Store Shed at Ralli into an Office for the Godavari Central Division) which shows an excess of Rs 698 over the Est. of Rs 3040 sanctioned in G.O. No 302 W d/25-1-88 and requests that the Examiner may be authorised to pass the amount.

It is explained ~~that~~ the excess is mainly due to the increased quantity of wood work, dressing & painting, &c

, to the substitution of tiled roofing for corrugated iron roofing, and to the loss of materials manufactured at Ralli –

3/9/89

Is anything on record about the loss of materials manufactured at Ralli; if not the S.E. should be asked to report. It seems ~~that~~ only a portion of the total loss is debitable to the present estimate.

3.9.89

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No 2558

2558

PUBLIC WORKS DEPARTMENT,

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 11th Sept. 1889

READ the following

From the Supdg Engineer I Circle. ——— No 1386 G.D., dated 21st Augt 1889.

The Examiner of P.W. Accounts is authorised to admit the outlay of Rs 698 incurred in excess of the estimate of Rs 3,040 sanctioned for converting the Store-shed at Ralli into an office for the Godavari Central Division

10 Sep

6.9.89

9.8.89

11/9/89

To
the Supdg Engineer I Circle
" Examiner P.W. Accounts after completion report
~~with completion report~~.

21/9

No. 2258 Wid. 14 Sept
1887

16/9

Ass. 3/9 .. Hm. 9/9. RW M 11/9/87

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