

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	605 (9)	Press Mis.
Dated	22-2	1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
22nd February 1877. No. 605.*

Read the following papers :—

No. 549. From Major J. BEATTY, R.E., Officiating Superintending Engineer, Godavery District, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Dowlaishweram, 12th February 1877, No. 3,220.

OWING to the exceptional nature of the season I was authorized to keep open the canals as much as possible and however much it might interfere with expenditure. The Eastern Delta Range Officer is consequently obliged to surrender Rupees 12,938, and I have the honor to submit, herewith, a statement showing the works on which short expenditure is unavoidable.

No. 549-A. From the same Officer, dated Dowlaishweram, 12th February 1877, No. 3,221.

I HAVE the honor to forward, herewith, for your information, a statement, accompanied by two explanatory letters, Nos. 441 and 442, of 5th instant, from the Range Officer showing the expected short

outlay in the Western Delta under Extraordinary in the present official year. The Range Officer finds himself obliged to surrender 19,300 Rupees from his Budget Grant of 91,560 Rupees. The principal causes of short outlay are less expenditure on compensation for land, works delayed by the non-closure of canals, savings on estimates, and non-sanction of estimates. In the latter part of his letter, No. 441, Lieutenant Dorward explains the special cause of delay that has arisen from the system of accounts as now in force. In former years Executive officers could utilize funds according to the budget if possible, but, if not, on other sanctioned works; now such a course lays the Range Officer open to so much useless correspondence with the Examiner that he would have little time for inspection, and consequently his chief object now is to take care that he has not exceeded, and does not exceed, allotments. Some relaxation of the system is indispensable, otherwise Government must expect to see large sums surrendered annually under Extraordinary.

From Lieutenant A. R. F. DORWARD, R.E., Assistant Engineer in charge Western Delta Division, Godavery District, to Major J. BEATTY, R.E., Officiating Superintending Engineer, Godavery District, dated Camp, Muddapuram, 5th February 1877, No. 442.

WITH reference to your memorandum, No. 3,127, of 2nd instant, I have the honor to state that reasons for the short expenditure noticed are given in the statement of probable expenditure in this official year forwarded with my No. 441 of this date. I will here give further explanation of the particular cases noticed in the memorandum of the Chief Engineer for Irrigation, No. 3, G.D., of 10th ultimo.

(1.) The Narsapur canal distribution works cannot be put in hand till revised plans and estimates have been sanctioned. Several of these plans and estimates were prepared, and it was found that there would be a considerable excess on the inadequate provision made for these works in the sanctioned estimates. It was, therefore, considered useless sending them in till a revised estimate for the whole canal had been prepared. All the plans and estimates necessary to give a fair idea of the probable cost of this canal are now ready and will shortly be submitted. There is no chance of that revised estimate being sanctioned in time to admit of any work being done in this official year. If desired, materials (imperishable) can be collected for the sluices that must be built, but to this course the Examiner will object as I will be working on no sanctioned estimate.

*Proceedings of the Madras Government, Public Works Department,
22nd February 1877. No. 605.*

(2.) To fully utilize the grant for the minor masonry works on the Venkia and Wyeru canal, a plan and estimate for a sluice much required was forwarded with my No. 371, of 2nd December 1876. This has not yet been sanctioned, and it is now improbable that the full grant can be utilized.

(3.) Under minor channels Venkia and Wyeru canal it was hoped to take up the improvements of the Kolaparru channel, the estimate for which was prepared by Mr. Rundall. On inspecting the channel, however, it was found that that estimate would not do, and that an entirely new one would have to be prepared. This will shortly be forwarded, but there is no chance of the grant being utilized this year.

(4.) A revised estimate for the drain west of Narsapur canal was submitted with my No. 284, of 4th October 1876. Until this revised estimate is sanctioned no work can be done on the drain. If this sanction be not accorded soon, it will not be possible to utilize the whole grant.

(5.) Owing to there being water in the canals, Ellore canal improvements cannot go on. Had the canal been kept open as proposed, there would not have been the slightest difficulty in fully working up to the grant.

(6.) The grant for sluices on the mid-level channel will be worked up to. Materials could not be collected till after the wet weather, as carting them across country is then impossible.

(7.) The land for Akeed rest-house was handed over in the wet weather. Till after the wet weather no bricks could be made. At Akeed, where there is no timber or brick-soil, the making of bricks at a cost which would not entail excess on the estimate for the rest-house is not easy. The bricks are now making on the only spot known to me where decent brick-soil is obtainable within five miles of Akeed. The owner of this soil for a long time objected to my using it, but has lately given his consent. The work has, therefore, been delayed for want of bricks, and the full grant for the year will not be utilized.

From the same Officer, dated Camp, Muddapuram, 5th February 1877, No. 441.

With reference to your memorandum, No. 2,991, of 23rd ultimo, I have the honor to forward, herewith, a statement showing expected outlay on Extraordinary works in this official year. The budget grant is Rupees 91,560, and I find the expenditure will be only about Rupees 72,264. The amount that will have to be given up is, therefore, about Rupees 19,300. This amount is made up (roughly) of the following items:—

Less expenditure on compensation for land	...	...	...	Rs.
Do. owing to non-closure of canals	...	...	...	7,600
Savings on estimates	...	...	...	6,000
Non-sanction of estimates and other causes	...	...	...	3,500
	...	...	...	2,200
Total	...	...	...	19,300

I have allowed for an expenditure this year of Rupees 1,500 on the extra head sluice at the head of Undi canal. This will be met from a recovery of Rupees 1,500 on account of "Materials at site," Ellore canal, which have been transferred to, and used on, works.

In my No. A., of 17th December 1876, I estimated the expenditure at only Rupees 13,000 less than the budget grant. I was then writing without any figures before me and at your special request, giving roughly such information as I could with as little delay as possible. I considered that the less expenditure would be—

In compensation for land	...	...	...	Rs.
Owing to non-closure of canals	...	...	...	6,000
Do. to savings on estimates	...	...	...	5,000
	...	...	...	2,000
Total	...	...	...	13,000

I now find I under-estimated the less expenditure due to each of these three causes.

*Proceedings of the Madras Government, Public Works Department,
22nd February 1877. No. 605.*

The expenditure under 'compensation for land' I have nothing to do with. I do not think, considering how little money has yet been paid during the six years the Project works have been in progress, that I originally made an excessive provision in the budget under this head. Of course I cannot tell what the expenditure in this and next month may be, but can, only, judging from what it has been, state what I consider it is likely to be.

Rupees 6,000 cannot possibly be spent owing to the non-closure of the Ellore and Velpu canals.

The saving of Rupees 3,500 on estimates has occurred chiefly on Palkole and Mamudur Locks. Rupees 2,200 will not be spent owing to non-sanction of estimates and other causes. I would point out that of all the estimates for channels, sluices, &c., that I have sent in this year not one has been sanctioned that in any way would help out this year's expenditure. The cause of this I do not know.

In former years it was looked upon as of the first importance to utilize all the funds provided, according to the budget if possible, but if not, on other works which had to be carried out some time.

This course the Examiner considers irregular, and we have now principally to take care that we have, and do not exceed, an allotment for every single work. If an allotment be exceeded, or a work be put in hand without an allotment, it becomes an objectionable item at once and correspondence with the Examiner's Office begins. The execution of the works is held subordinate to the securing of financial regularity, and practically this predominance of accounts interferes very seriously with our expenditure. To any transfer of allotments, no matter how small, the sanction of Government must be obtained. This cannot be obtained without considerable delay; time is lost, and work is delayed. It is impossible to prepare an accurate budget showing future expenditure at any time, and when it is considered that every one of the original plans and estimates of this project has to be revised and that generally the provisions of the budget have to be made before such revisions have taken place, the error of supposing it possible to secure financial regularity, if that consists in perfect agreement between expenditure and appropriations, and of laying down hard and fast rules which prevent the rapid carrying out of our works, admitted to be desirable, in order to secure an impossibility must be apparent. The submission of revised and re-revised budgets is the natural result of such a system, and is the only course open to a Range Officer. The system is practically a new one as far as this Presidency is concerned, but it has none of the elasticity which such a system ought to have and possesses all the rigidity of one that has been long tried and found to be perfect. I think that increased powers to District Officers are necessary. I need not point out to you the effect of the rule which now prevents your sanctioning the revised estimate of any extraordinary work, no matter how small.

No. 549-B. Telegram from the Collector of Godavery, to the Chief Engineer for Irrigation, dated Cocanada, 14th February 1877.

BILLS for Rupees 40,020 sent to Examiner through District Engineer for audit, but not yet returned. That sum will probably be required. Examiner can tell more accurately.

No. 550. ORDER THEREON, 22nd February 1877, No. 605.

IRRIGATION, No. 58.
Account.

RECORDED. It is observed that the amount surrendered by the Superintending Engineer from the allotments under Extraordinary for the Godavery Delta Works are as follow:—

Eastern Delta Works	...	...	...	...	Rs.
Land compensation	...	...	...	...	12,938
	...	...	...	...	...
Total	...	...	...	...	12,938

*Proceedings of the Madras Government, Public Works Department,
22nd February 1877. No. 605.*

Western Delta Works	RS.
Land compensation	11,700
	7,600
Total	19,300

Out of the Western Delta surrender Rupees 13,000 were taken account of in the absence of details by a lump sum entry in the statement recorded in Proceedings, No. 240, dated 25th January 1877, so that the additional surrender now made amounts to Rupees 6,300.

2. The Collector, Godavery, has telegraphed that land compensation bills, amounting to Rupees 40,020, have been sent to the Examiner for audit, and the Chief Engineer has ascertained from the Examiner of Public Works Accounts that most of these bills have been returned unpassed, not being in order.

3. Until it is known what funds will be required for land compensation during the current year, the funds above surrendered will remain undisposed of. The Superintending Engineer should afford the Collector any help in his power in the preparation of bills for compensation, supported by the information necessary to their being passed for payment.

(True Extract.)

Lieut.-Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, Godavery.
„ Chief Engineer for Irrigation.
„ Examiner of Public Works Accounts.
„ Revenue Department.
„ Collector, Godavery.

Encl. T. D. Ryan.

Spare Copies .

E. I. Form No. 34.

MEMORANDUM.

REQUESTED for reference the under-mentioned papers:—

Very Urgent
The 2 Statements referred to in
Godavery Papers No. 3220 & 3221
of 12 Feb/77 printed with p.
605 of 22 Feb/77.

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,

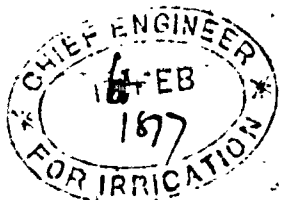
187 .

Head Clerk.

To

The Registrar of the

1748



21 FEB 77

1877

From the Collector of Godavery

Dated 13th February 1877

There is a request
submitted to be obtained
for a grant of Rs 1000 out
of the fund for Compensation
for land taken by the
the Govt. of Godavery
now Rs -

15-2

TT-2-N

Re 22-2-77
See 21-2-77

No 441

Western Delta Division
Office
Camp Maddapuram
Dated 5th February 1877

From

The Officer in Charge
Western Delta Division
Godavery

To

The Off^r Superintending
Engineer
Godavery

Sir,

Encls: one

With reference to your
Memo No 2991 of 23rd Ultimo, I have
the honor to forward herewith a
statement showing expected outlay
on Extraordinary works in this Official
year. The budget grant is Rs 91,500
and I find the expenditure will be
only about Rs 72,264. The amount
that will have to be given up is -
therefore about Rs 19,300. This amount
is made up (roughly) of the following
items:—

Left expenditure on Compensation for ^{Rs} land ————— } 7,600.

do ———— owing to non-closure of Canals ————— } 6,000

Savings on estimates ————— 3,500

Non-Sanction of estimates and other Causes ————— } 2,200

19,300

I have allowed for an expenditure this year of Rs 1500 on the extra head sluice at the head of ———— Umdhi Canal. This will be met from a recovery of Rs 1500 on account of "Materials at site" Ellore Canal which have been transferred to and used on works.

In my No A of 17th December 1876 I estimated the expenditure at only Rs 13,000 less than the Budget grant. I was then writing without any figures before me and at your special request giving roughly such information as I could with as little delay as possible. I considered that the left expenditure would be

In Compensation for land ———— Rs 6000
Owing to non-closure of Canals ———— Rs 5000
Owing to savings on estimates ———— Rs 2000

Total Rs ———— 13,000

I now find I underestimated the left expenditure due to each of these three Causes.

The expenditure under 'Compensation for land' I have nothing to do with. I do not think, considering how little money has yet been paid during the six years the Project works have been in progress, that I originally made an excessive provision in the budget under this head. ———— Of course I cannot tell what the expenditure in this and next month may be, but can only, judging from what it has been, state what I consider it is likely to be.

Rs 6000 cannot possibly be spent owing to the non-closure of the Ellore and Velupur Canals.

The saving of Rs 3500 on estimates has occurred chiefly on Palkole and Chammur (or Rs. Rs. 2,200 will not be spent owing to non-sanction of estimates and other Causes. I would point out that of all the estimates for Channels, sluices &c that I have sent in this year not one has been sanctioned

Sanctioned that in any way would help out this year's expenditure. The Cause of this I do not know.

In former years it was looked upon as of the first importance to utilize all the funds provided, according to the budget if possible, but if not, on other works which had to be carried out some times.

This course the Examiner considers irregular and we have now principally to take care that we have and do not exceed an allotment for every single work. If an allotment be exceeded, or a work be put in hand without an allotment, it becomes an objectionable item at once and correspondence with the Examiner's Office begins. The execution of the works is held subordinate to the securing of financial regularity and practically this predominance of accounts interferes very seriously with our expenditure. To any transfer of allotments, no matter how small, the sanction of Government must

13 9
must be obtained. This cannot be obtained without considerable delay, time is lost and work is delayed. It is impossible to prepare an accurate budget showing future expenditure at any time, and when it is considered that every one of the original plans and estimates of this project has to be revised and that generally the provisions of the budget have to be made before such revisions have taken place, the error of supposing it possible to secure financial regularity, if that consists in perfect agreement between expenditure and appropriations, and of laying down hard and fast rules which prevent the rapid carrying out of our work, is admitted to be desirable, in order to secure an impossibility must be apparent. The submission of revised and re-revised budgets is the natural result of such a system and is the only course open to a Range Officer. The

15
The system is practically a new one as far as this Presidency is concerned, but it has none of the elasticity which such a system ought to have and possesses all the rigidity of one that has been long tried and found to be perfect. I think that increased powers to District Officers are necessary. I need not point out to you the effect of the rule which now prevents your sanctioning the revised estimate of any Extraordinary work no matter how small.

I have the honor to be,
Sir,

Your most obedient servant

A R S Forward. Lieut R E

Assistant Engineer with:

Western Delta Division
Gody



151 G. S.

P.W.D.

21 FEB 77

NO 1878

3

From

The Officer in Charge

Western Delta Division

To

The Offg Supt Engineer

Godavari District

Dated 5th

Received 12th February 1877

No 1441

Extraordinary Works - E.

- Projected outlay on - during

The current of special year -

forwards a Statement on

showing the -

3023

No 442.

Western Delta Division
Office.

Camp Madduram
Dated 5 February 1877

From

The Officer in Charge -
Western Delta Division -
Godavari

To

The Offg Superintending
Engineer
Godavari

Sir,

With reference to your
Memo No 3127 of 22 instant, I have
the honor to state that reasons for
the short expenditure noticed are given
in the statement of probable expen-
-diture in this official year forwarded
with my No 441 of this date. I will
here give further explanation of the
particular causes noticed in the
Memo of the Chief Engineer for Irrigation
No 3 G.D of 10th ultimo.

(1) The Narsapur Canal distribution
works cannot be put in hand
till

till revised plans and Estimates have been sanctioned. Several of these plans and estimates were prepared and it was found that there would be a Considerable excess on the inadequate provision made for those works in the sanctioned estimates.

It was therefore Considered useless sending them in till a revised estimate for the whole Canal had been prepared.

All the plans and estimates necessary to give a fair idea of the probable cost of this Canal are now ready and will shortly be submitted. There is no chance of that revised estimate being sanctioned in time to admit of any work being done in this official year. If desired, materials (imperishable) can be collected for the sluices that must be built, but to this course the Examiner will object as I will be working on no sanctioned Estimate.

To fully utilize the grant for the Minor Masonry works on the Teukia and Weyra Canal, a plan (2)

5
plan and estimate for a sluice much required was forwarded with my No 371 of 2.12.76, ^{this} has not yet been sanctioned and it is now improbable that the full grant can be utilized.

(3)

Under minor channels Teukia and Weyra Canal, it was hoped to take up the improvements of the Holaparra Channel, the estimate for which was prepared by Mr. Rindall. On inspecting the Channel, however, it was found that that estimate would not do and that an entirely new one would have to be prepared. This will shortly be forwarded but there is no chance of the grant being utilized this year.

(4)

A revised estimate for the drain-
age of the Weyra Canal was submitted to the Examiner with my No 284 of 4 October 76. Until this revised estimate is sanctioned no work can be done on the drain. If this sanction be not accorded soon, it will not be possible to utilize the whole grant.

(5)

During the year there being water in the Canals, Ellora Canal improvements cannot

Cannot go on. Had the Canal
been kept open as proposed there would
not have been the slightest difficulty
in fully working up to the grant.

The grant for sluices on the (6)
Mid Level Channel will be worked
up to. Materials could not be collected
till after the wet weather, as carting
them across Country is then impossible.

The land for Akeed Rest (7)
house was handed over in the wet
weather. Till after the wet weather
no bricks could be made. At Akeed
where there is no timber or brick soil
the making of bricks at a cost, which
would not entail excess on the estimate
for the rest house, is not easy. The
bricks are now making on the only spot
known to me where decent brick soil
is obtainable within 5 miles of Akeed.
The owner of this soil for a long time
objected to my using it, but has lately
given his Consent. The work has therefore
been delayed for want of bricks and the
full grant for the year will not be utilized.

I have the honor to be

Sir,

Your most obedient Servant
A. H. Dorrward Lieut. Col.
Capt. Gen. Dorrward: Western Delta Divn.

No. 3221

From
The Offg. Superintending Engineer
Godevry District

To
The Chief Engineer for Irrigation
Madras

Sir,
I have the honor to forward herewith for your information a Statement, accompanied by two explanatory letters Nos. 441 and 442 of 5th instant, from the Range Officer showing the respected short outlay in the Western Delta under extraordinary in the present official year. The Range Officer finds himself obliged to surrender 1,300 Rupees from his Budget grant of 9,560 Rupees. The principal causes of short outlay are less expenditure on compensation for land, works delayed by the non-closure of Canals, savings on estimates, and non-sanction of estimates.

Statement
No. 441
No. 442

3624
From
The Officer in charge
Western Delta Division
To
The Offg. Supt Engineer
Godevry District

Dated 5th
Received 12th } February 1877

No. 442

Extraordinary Works -
Short Outlay or - as
noticed by the Chief
Engineer for Irrigation.
Explains the particular
cases of -

549-50

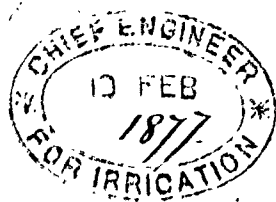


P.W.D.
21 FEB 1877
NO. 1877

In the latter part of his letter No 441,
Lieutenant Dorward explains the spe-
-cial cause of delay that has arisen from
the system of accounts as now in force.
In former years Executive Officers could
utilize funds, according to the Budget
if possible, but if not on other sanctioned
works; now such a course lays the Range
Officer open to so much useless correspon-
-dence with the Comptroller that he would
have little time for inspection, and con-
-sequently his chief object now is to take
care that he has not exceeded, and does
not exceed, allotments. Some relax-
-ation of the system is indispensable
otherwise Government must expect
to see large sums surrendered annually
under Extraordinary-

Yours truly
Sir
Your Most Obedt Servt
J. Beatty - Major R.E.
Offr. Superintending Engineer

GO No 240-9-25-1-77



P. W. D.

21 FEB 77

No. 1878

Date 12th Feb 1877
Recd. 3 Feb 1877
No 3228
Chief Engineer
for Irrigation
Madras
Short Outlay in
Western Delta—
Submitting Statement
showing respect—
under extraordinary

549A

2.22-277
Can-21-2-77

NA

No. 3220

DISTRICT ENGINEER'S OFFICE (GODAVERY)
DOWLAISHWERAM, 12 February 1877

From

The Offg. Superintending Engineer
Godavery District

To

The Chief Engineer for Irrigation
Madras

Sir,

Enclosed—One

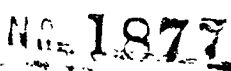
1 Statement showing
works on which
short expenditure
is unavoidable.

Owing to the exceptional nature
of the season I was authorized to keep
open the Canals, as much as possible, and
however much it might interfere with ex-
penditure. The Eastern Delta Range
Officer is consequently obliged to surrender
Rupees 12,938, and I have the honor to
submit herewith a Statement showing the
works on which short expenditure is un-
avoidable—

I have the honor to be
Sir

Your Most Obedt. Servant
J. Beatty. Major R.E.

Offg. Superintending Engineer



*The
The Col. Subj. Eng.
No. 10 Goddard St.
The Chief Engineer
Mission
Madras*

V. 579-

Car-21-2-77

Total 19,300

Out of the Western Belga
surrender Rs. 13,000 more
taken account of in the
absence of details by a
lump sum entry in
the statement recorded
in Proceedings No. 240
dated 25 January 1877.
So that the additional
surrender now made
amounts to Rs 6300.

2. The Collector, P. D. S.,
has telegraphed that land
Compensation bills amount-
ing to Rs 40,000 have been
sent to the Examiner
for audit and the
Chief Engineer has ascer-
tained from the Examiner
of P. D. S. Accounts that

31 13

most of these bills have
been returned unpaid
not being in order.

3. Until it is known
what funds will be re-
quired for land com-
pensation during the
current year the funds
above surrendered
will remain undispensed
of. The Superintending
Engineer should afford
the Collector any help
in his power in the
preparation of bills
for compensation sup-
ported by the in-
formation necessary

to their being passed
for payment.

by 2/2

Dispd 6-3-77

Refused to pay ✓
Charges for freight ✓
Exp. Mr. Ault ✓
Rev. Dept. ✓
Collection, padaney ✓

6/21/87
1877

Oct. of 1877 Madras.

PUBLIC WORKS.

To

The S. E. Co. Lavery

Dated

Issued

Recd.

Encl.

G. O. 22 Feb. 1877, No. 605

Nos. 559 & 550.

*Ordinary Delta Works
Raising & Repairing
from the Superintendence
of the Chief Engineer
of the Canal, under
extraordinary during the
recent official year.
with the —, recorded
with certain observations.*

*For the
S. E. Co. Lavery*

550

Gen 21-2-770 21.2.77