

(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.	2127	Press
B.P. No.		Mis.
Dated	3-8-	C874 195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd August 1874.*

Read the following papers:—

No. 63. From Colonel C. V. WILKIESON, R.E., Superintending Engineer, Coimbatore, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, Public Works Department, dated Coimbatore, 22nd June 1874, No. 39.

I HAVE the honor to bring to your notice that the Irrigation Range Officer commenced the annual clearings of the Caniempolliem and Dallipolliem channels without orders from the District Engineer; and when Mr. Supervisor Scott's estimates reached my office, the clearings had nearly been completed, and, having found that the amounts of the estimates were far in excess of the average revenue of the past five years, I called upon the Range Officer to explain why he unauthorizedly incurred expenditure, and he, in reply, stated that he followed the established precedent of undertaking the clearances of these channels in anticipation of sanction of estimates and provision of funds, for he had to complete the clearing and let water into the channel in a very limited time. I have, however, pointed out to the Range Officer that his continuance of such a procedure was wrong after the receipt of G. O., No. 299 of 7th February 1874.

2. The estimates as per margin have been countersigned by the Collector, and the amount, viz., Rupees 2,100, can be appropriated as usual from the balance under "Repairs Agricultural," but as the amounts of the estimates are in excess of the average revenue income from the channels I beg to submit them for your orders.

3. I take this opportunity of requesting you to let me know how I am to act in cases of this kind, and when the annual clearings of channels must exceed their average revenue income of the preceding five years.

No. 464.

No. 64. *Note by the Chief Engineer for Irrigation.*

THE District Engineer, Coimbatore, has forwarded for sanction the following estimates, reporting at the same time that the work provided for has, without any authority or previous sanction, been carried out by the Range Officer, whose name is apparently Mr. Supervisor Scott:—

Caniempolliem Channel Estimate	...	...	...	Rs.	1,650
Ayacut area	...	...	Acres	1,069	
Do. assessment	...	...	Rs.	3,545	
Average revenue	...	...	Rs.	727	
Highest do.	...	...	Rs.	1,248	
The previous expenditure is reported to be					
	1870-71				1,577
	1871-72				3,078
	1872-73				3,630
	1873-74				1,650
Present Estimate	...	...	...		5,935
Average yearly outlay					1,987

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3rd August 1874.*

and this is more than $2\frac{1}{2}$ times the average revenue, and more than $1\frac{1}{2}$ times the highest revenue. It is evidently quite time the circumstances of this channel should be thoroughly investigated, with a view to its being ascertained to what causes the great cost of its up-keep is attributable. Probably the first requirement is a head sluice to exclude all water but the supply required for irrigation—13,276 cubic yards of clearance are provided for in the estimate, and as the average rate of assessment is Rupees $3\frac{1}{2}$ an acre, the area of irrigation is about $\frac{727 \times 1,454}{81} =$, say, 208 acres; the quantity of water required for the irrigation would be about 1,456 millions of cubic yards and for every 109 cubic yards of water utilized there would seem to be a cubic yard of silt.

It is evident that unless improved arrangements and management can be speedily introduced the channel must be abandoned.

The rates again are very high, $1\frac{1}{2}$ Annas a cubic yard for clearing silt, $2\frac{1}{2}$ Annas for jelly and sand, and 3 Rupees a cubic yard for blasting rock, which latter usually would appertain to improvements rather than repairs.

The District Engineer should himself examine the work done, and make a full report upon it, as well as upon the channel generally.

2. The next estimate is for the Dallipolliem channel, and amounts to Rs. 450.

Ayacut area	...	...	...	Acres	291
Ayacut assessment	...	...	...	Rupees	1,006
Average revenue	...	...	...	"	513
Highest do.	...	...	...	"	526
The expenditure is shown to have been in					1870-71
					1871-72
					1872-73
					1873-74

Present Estimate...	...	...	Rs.	450
				5,1250
				250

or very nearly 50 per cent. on the average revenue.

Here also investigation seems called for.

The rates like those above noticed appear to be two or three times the usual prices for channel clearances.

3. The practice of carrying out work of this kind before the estimates have been approved should be entirely prohibited. There is nothing emergent about such work, but, on the contrary, it is of the most ordinary description, though possibly being situated in what is believed to be a feverish part of the country it may be necessary to take this circumstance into account.

4. Had the present District Engineer been long in charge of the district, the fact that for some years past outlay has been out of all proportion to revenue would have been commented on, but these are the first estimates for these works that have come before him, and his predecessor was not long in charge and has left India.

OOTACAMUND,
29th June 1874.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

*Proceedings of the Madras Government, Public Works Department,
3rd August 1874.*

No. 65. ORDER THEREON, 3rd August 1874, No. 2,127.

IRRIGATION, No. 5.

THE following irrigation repair estimates are sanctioned:—

	RS.
Caniempolliem channel	...1,650
Dallipolliem do.	... 450

both works being situated in the Sattimungalum Taluq of the Coimbatore District.

2. The Government observe with dissatisfaction that an outlay out of proportion to the revenue derived from these works has been incurred yearly for several years past, while in the case of the Caniempolliem channel the expenditure has in the last four years exceeded the revenue by about 7,000 Rupees. The District Engineer will at an early date examine the work done to these channels, inspect them carefully, and report what improvements are necessary in order to their economical maintenance. The circumstances of the Caniempolliem channel have been several times brought to notice, and it would seem to be probable that, owing to the unhealthiness of the country in which it is situated, there is but little probability of such an extension of cultivation under it as would make its revenue cover the cost of its maintenance. If so it will be necessary that the Collector should be consulted as to the advisability of the lands under it being transferred to dry or punjah in order that the channel may be abandoned as an irrigation work. Possibly the channel, which some years ago it was proposed to construct from the same anicut on the right or south bank of the Bhowany, would meet the requirements of this part of the taluq, but that project will require investigation, and unless the country through which it would run be altogether more healthy, it could not be prudent to rely upon the water being taken up for cultivation.

Superintending Engineer's letter, dated 24th March 1866, No. 210, para. 6.
Proceedings Madras Government, dated 6th June 1866, No. 1,783.
Do. do. dated 23rd April 1866, No. 1,266.
Do. do. dated 24th January 1868, No. 265.

3. Colonel Wilkieson's special attention will be given to the rates shown in these estimates; and the practice of commencing other than emergent work before sanction has been obtained should be strictly prohibited.

(True Extract.)

Lieut.-Colonel, R.E.,

Joint Secretary to Government.

To the Superintending Engineer, Coimbatore.
" Chief Engineer for Irrigation.
" Officiating Controller of Public Works Accounts.

Exl. S. T. Austin.
Spare Copies

No 39.

Superintending Engineer's Office.
Coimbatore 22nd June 10th/4.

From
The Superintending Engineer
Coimbatore.

To The Chief Engineer for
Irrigation and
Madrass.

Sir,

I have the honor to bring to your notice that the Irrigation Range Officer commenced the annual clearings of the Carnam, Pottiam and Phillipolliam Channels without orders from the District Engineer, and when Mr Supervisor Scott's estimates reached my office, the clearings had nearly been completed, and, having found that the amounts of the estimates were far in excess of the average revenue of the past 5 years, I called upon the Range Officer to explain why he unauthorisedly incurred expenditure, and he, in reply, stated that he followed the established precedent of

undertaking the clearances of these channels in anticipation of sanction of estimates and provision of funds, for he had to complete the clearing and let water into the channel in a very limited time. I have, however, pointed out to the Charge Officer that his continuance of such a procedure was wrong after the receipt of G. O. No. 299 of 7th February 1894.

2. The estimates, as per margin, have been countersigned by the Collector and the amount viz. Rs 2100 can be appropriated as usual, from the balance under "Repairs Agricultural" but, as the amounts of the estimates are in excess of the average revenue income from the channels, I beg to submit them for your orders.

3. I take this opportunity of requesting you to let me know how I am to act in cases of this kind, and when the annual clearings of channels must exceed

their average revenue income of the preceding 5 years.

I have the honor to be,
Sir,

Your most obed. Servt.
W. Wilson Colonel C.E.
Superintending Engineer
Coimbatore.

Annual clearing and sundry repairs of
Kannimhallam Channel Rs. 1650
Do - do - Chollahallam do - 450

2100

W. Wilson

Note by the Chief Engineer for Irrigation.
The District Engineer Coimbatore
has forwarded for sanction the
following estimates, reporting
at the same time that the
work provided for has, without
any authority or previous sanc-
tion, been carried out by the
Range officer whose name is
apparently Mr. Supervisor Scott-

By acent area 1069 acres

— . . . — *assepiment* 3,545

Average Revenue . 727

Weight — lbs — 1248

The previous expenditure as re-¹⁸⁷⁰⁻⁷¹
ported to be - 18772- 1577

1872-73 - 3,078

1873-74- 3630

Present estimate 1.650

Average yearly outlay $\frac{5}{9,935}$ 1,987

and this is more than $2\frac{1}{2}$ times
the average Revenue, and more than
 $1\frac{1}{2}$ times the highest Revenue.

It is evidently quite time the circumstances of this channel should be thoroughly investigated, with a view to its being ascertained to what

what

E. A. Mearns
from Superintendent
the Combustion
Department.
Doyle's Eng'g Co.
for
Combustion Dept.
Madison.

Dated 29th June /74
Recd 25th _____

7039

16. Smith

Subscription for

Ardeno two sealmade

Amtry to No 2180.

for annual clearance

off and coming

repairs to, the

Concomitant and

Phyllis Johnson Chandler
Mrs. J.

Mr. J. S. 1711

12063

what causes the great cost of its upkeep is attributable. Probably the first requirement is a head sluice to exclude all water but the supply required for irrigation. 13276 cubic yards of clearance are provided for in the estimate, and as the average rate of apperment is Rupees $3\frac{1}{2}$ an acre the area of irrigation is about $\frac{727}{3\frac{1}{2}} = \frac{1454}{7} =$ say 208 acres; the quantity of water required for the irrigation would be about 1.456 millions of cubic yards, and for every 109 cubic yards of water utilized there would seem to be a cubic yard of silt.

It is evident that, unless improved arrangements and management can be speedily introduced, the channel must be abandoned.

The rates again are very high $1\frac{1}{2}$ annas a cubic yard for clearing silt, $2\frac{1}{2}$ annas for fells & sand, & 3 Rupees a cubic yard for blasting rock, which ^{rather} usually would appertain to improvements rather than repairs.

The District Engineer should himself examine the work done, and make

make a full report upon it, as well as upon the channel generally.

2. The next estimate is for the Dallipolliem channel and amounts to Rupees 450.

Byrant area acres 291

— apperment Rupees 1006

Average revenue — 513

Highest — do — 526

The expenditure is shown to have been in 1870-71 — 355 in 71-72 — 145 in 72-73 — 145 in 73-74 — 300 in

Present estimate — 450 of 5 $\frac{1,250}{250}$ is

or very nearly 50 per cent on the average revenue. Here also investigation seems called for.

The rates like those above noticed appear to be 2 or 3 times the usual prices for channel clearances.

3. The practice of carrying out work of this kind before the estimates have been approved should be entirely prohibited. There is nothing inherent about such work but, on the contrary, it is of the most ordinary description, though possibly being situated in

in what is believed to be a feverish part of the country, it may be necessary to take this circumstance into account.

4. Had the present District Engineer been long in charge of the District the fact that for some years past outlay has been out of all proportion to Revenue would have been commented on, but these are the first estimates for these works that have come before him, and his predecessor was not long in charge and has left India.

W. H. Mullins

Obtained

29 June 1876

Chief Eng. for Irrigation

To The Secretary to Govt. M. S.

Public Works Department
Proceedings of the Madras Government

2 April 1876

11:01

11:01

11:01

11:01

11:01

P. W. 1874 Dept.
No: 4,500

From

The Chief Engr.
for Irrigation

Del. 29 June
Rd. 21 July 1874.
No. 464. E. 3.

Note on the
estimates for the
annual clearance
to channels in the
Irrigation Range
of the Coimbatore
District.

Q.O. No: 2127. 3-8-74.

Ch. 64

Public Works Department
Proceedings of the Madras Government
Read the following
The Supt Engineer
Coimbatore
To the Chief Engr for Dist. (No. 6 to 7 29 June 1874)

The following irri-
gation repair estimates
are sanctioned.

Cannempolliem channel Rs 1650
Dallapothiem — do — 450

both works being si-
tuated in the Satty-
mangalam Taluk of
the Coimbatore Dis-
trict

2. The Government
observe with dissatis-
faction that an out-
lay out of proportion
to the Revenue de-
rived from these works
has been incurred
yearly for several
years past; while
in the case of the
Cannempolliem chan-
nel the expenditure
has

16/7

has in the last 4 years
 exceeded the Revenue
 by about 7000 Rupees.
 The District Engineer
 will at an early
 date examine the
 work done to these
 channels, inspect
 them carefully, and
 report what improve-
 ments are necessary
 in order to their
 economical main-
 tenance. The circumstances

3. Colonel Wilkie-
 son's special at-
 tention will be given
 to the rates shown
 in these estimates,
 and the practice
 of commencing
 other than emer-
 gent work before
 sanction has been
 obtained should
 be strictly prohib-

hted

G.M.

of the Commission - channel
 have been several times brought
 to notice, and it is
 would seem to be
 probable that during
 to the maintenance of
 the country in which
 is situated, there is
 but little probability
 of encroachment
 of cultivation under it as would
 make its revenue cover the cost of
 its maintenance. If so it will be
 necessary that the collector should
 be consulted as to the advisability
 of the lands under it being
 transferred to dry or Punjab in
 order that the channel may be
 abandoned as an irrigation work.
 Possibly the channel, which
 some years ago it was proposed
 to construct from the same source
 on the right or South Bank of the
 Shewany would meet the require-
 ments of this part of the taluk
 but that project will require
 investigation, and unless the
 country through which it would
 run be altogether more healthy
 it would not be prudent to rely
 upon the water being taken up
 for cultivation.

43
 4
 To The D. C. Comptroller
 Chf. Secy for J. & with 2 Encls.
 Contd. Mr Secy
 S. Copies despatched 11/8/74.

12
Amos W. P. ...

2

Amos W. P. ...

63-65

bin 16/7/34, Ret 17/7/34

M 4500

Govt. of Madras.

PUBLIC WORKS.

To

The Supr.
Cumbure

Dated

Recd.

Encl. 1

G. O. 3 Aug. 1874. No. 2127

Nos. 63-65.

Inspection works in the prin-
cipal St. Estimates for
the repair of certain works.
Submitted with remarks.

63-65.

61/1/74. 16/1/74