New No. Secty. 1 (1)-1—Old No. M.R.O. 1—10,000—10-

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

DEPARTMENT

G.O. No. / B.P. No.	1833	Press / Mis.
Dated		196

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

28th May 1877, No. 1,833.

Famine Relief.

Read the following paper :—

No. 537. Proceedings of the Board of Revenue, 16th May 1877, No. 2,256.

Read the following letter from W. S. WHITESIDE, Esq., Collector of North Arcot, to H. E. STOKES, Esq., Secretary to the Board of Revenue, dated Chittoor, 1st May 1877, No. 293 :—

In their Proceedings, dated 30th March last, No. 1,273, the Government sanctioned Rupees 2,841 for the construction of the Palar embankment at Vellore. The work was accordingly put in hand and was inspected by His Grace the Governor on the occasion of his late visit to Vellore. His Grace was pleased to express an opinion that the embankment should be constructed on a scale that would greatly increase its strength and efficiency as a protection against flood, but which would be more costly than was originally contemplated.

2. Plans and amended estimates were accordingly drawn up by the Vellore Range Officer Mr. Vincent, which reached me three days ago.

3 While they were in course of preparation, the amount originally sanctioned for the embankment was completely expended, and it became necessary to advance funds at once for further expenditure in order to provide labor for the large body of cooly-people who were then dependant for support on that work. I therefore ventured, in anticipation of sanction, to place a further sum of Rupees 2,000 at the disposal of Major Liardet who is in charge of the work, so that it might be pushed on without interruption.

4. I now enclose two estimates, one for the north bank of the Palar and the other for the southern one, both amounting to Rupees 15,487, and sections of the embankment together with copy of Mr. Vincent's letter, dated 28th ultimo, No. 17, for the information of the Board.

5. The importance of the work has been already fully explained by me, and Mr. Vincent has now clearly described in his letter the circumstances which have contributed to increase the estimate to the large sum above named. This additional outlay is absolutely necessary for the full completion of the embankment on both sides of the river in a solid and substantial manner as desired by His Grace the Governor, and the work will provide ample labor to a considerable number of the needy poor who are now about to be thrown out of employment in consequence of the exhaustion of funds.

6. Under these circumstances, I request that you will be good enough to obtain the necessary sanction for the additional allotment of Rupees 15,487, in addition to the already sanctioned amount of Rupees 2,841, and to return the estimates, &c., when no longer required.

7. Soliciting early orders.

ENCLOSURE No. 1.

From C. VINCENT, Esq., Assistant Engineer, Vellore Range, to W. S. WHITESIDE, Esq., Collector of North Arcot, dated Vellore, 28th April 1877, No. 17.

IN forwarding herewith the estimates, amounting to Rupees 15,487, for embanking the north and south banks of the Palar River, above the bridge near Vellore, I have the honor to offer the following remarks on the subject.

2. A survey of the locality was made in January last, and a rough estimate for the sand-work of the proposed embankment was sent by me to the Acting Sub-Collector, which amounted to a little under Rupees 8,000.

3. The work was actually commenced at the beginning of March, and when I was assisting Major Liardet, who is in charge of the works, to lay out the line of the embankment, I thought it best to alter the line from that laid down in the original plans, which ran along the top of the river bank to a straighter line, which in some places ran through what had, owing to encroachments, become part of the bed of the river though, as a matter of fact, lately forming part of the putta lands on its bank.

4. Numerous curves in the embankment were thus avoided; the river will for the future be confined to its natural bed, and it may be possible to reclaim the above-mentioned putta land, which has been rendered valueless by a deposit of river sand.

5. The change in the line of the embankment involved, however, an increase in the estimate, as the bank had, in many places, to be raised to its full height, from the bed of the river instead of duly from the top of the river bank.

6. On the 28th March, His Grace the Governor inspected the work, and the slopes of the banks which had previously been fixed at 1 to 6, were, at his suggestion, increased to 2 to 1, a change which involved a large increase in the estimate not only in the sand-work which forms the basis of the embankment, but still more in the coating of clay and in the turfing with which it is to be eventually covered.

7. The covering of clay, moreover, which was fixed in the first place at a thickness of 4 inches has been increased to a thickness of 9 inches, and the charge for this part of the work has been estimated at a higher rate than previously as some difficulty is anticipated in obtaining the material, about which nothing was known at first.

8. From the above-mentioned circumstances, which I have thought it best to enter into at some length, it will be seen that there is not much connection between the original rough estimate and the correct detailed estimate now forwarded, and, much as I regret the large difference between the two totals, it has been necessitated unavoidably by the alterations in the line, in the thickness of the clay coating, and in the slopes of the embankment, the latter, of course, being the principal item.

9. I am only forwarding you a copy of the estimate, as the sections and plans are being copied for the information of the Chief Engineer, but should you desire it a copy of these shall be sent to you as soon as possible.

10. I have thought it best, however, not to delay the forwarding of the estimate until the plans were ready, the work being under execution, and there being such a large difference between the present and the original estimates.

11. I hope that measures may be undertaken soon for covering the completed portion of the bank with clay, as a fresh in the river would not leave much trace of the sand of which it is at present composed.

12. At the last moment I find that I can send you copies of the sections of the embankment, which I therefore enclose as well as the estimates.

(True Copy.)

(Signed) W. S. WHITESIDE,
Collector.

ENCLOSURES Nos. 2, and 3.—Estimates.

ENCLOSURES Nos. 4 to 7.—Sections.

THE revised estimates will be submitted for the sanction of Government with reference to G.Os., dated 22nd February 1877, No. 785-A, and 30th March 1877, No. 1,273.

2. The countersignature of the District Engineer should have been obtained to the estimates.

3. They purport to provide for the whole work and include, it is presumed, that already executed, or a great part of it at least. The Board therefore do not understand why the amount is applied for in addition to that already sanctioned.

(True Copies and Extract.)

(Signed) H. E. STOKES,
Secretary.

No. 538. ORDER THEREON, 28th May 1877, No. 1,833.

Miscellaneous.

THE estimates for the two embankments on the north and south banks of the Palar, amounting respectively to Rs. 8,000 and Rs. 7,487, are sanctioned; and as they provide for the whole cost of the works to be carried out, the Government presume the expenditure already incurred on them will be charged against the estimates.

(True Extract.)

(Signed) J. H. GARSTIN,
Additional Secretary to Government.

To the Board of Revenue.
,, the Financial Department.
,, the Public Works Department.
,, the Accountant-General.

Esd. A. F. Goodall.

North Arcot

No 2256 Revenue Department

Proceedings of the Board of Revenue

Dated 16th May 1877

No. G.N.2.4962 Read the following No. 293

From

W. S. Whiteside Esquire

Collector of North Arcot

To

H. E. Stokes Esquire

Secretary to the

Board of Revenue

Madras

Sir,

In their Proceedings dated 13th March last Re 1273, the Government sanctioned Rs 2841, for the construction of the Palar embankment at Vellore. The work was accordingly put in hand and was inspected by His Grace the Governor on the occasion

Govt. of (1877) Madras.

REVENUE.

To THE BOARD OF REVENUE.

&c. &c. &c.

Dated Ootacamund, 18 th May 1877.

Received

G.O., 29th May 1877, No. 1833.

Read

MAY.

Nos. 537-538.

FAMINE RELIEF, No. 1605.

North and South Pulicat embankments.—Sanctioning the estimates for these, amounting respectively to Rs. 6,000 and 7,147; and presuming that the expenditure already incurred on them will be charged against the reliefs.

occasion of his late visit to
Vellore. His Grace was pleased
to express an opinion that the
embankment should be con
structed on a scale that would
greatly increase its strength
and efficiency as a protection
against flood, but which
would be more costly than
was originally contemplated.

2. Plans and amended esti-
mates were accordingly drawn
up by the Vellore Range officer
& Mr Vincent which reached me
three days ago.

3. While they were in course
of preparation, the amount
originally

(Resolution last Rs returning
original plans
Government
letter)

originally sanctioned for the
embankment was completely
expended, & it became necessary
to advance funds at once for
further expenditure in order
to provide labor for the large
body of Coolies people who were
then dependent for support on
that work. I therefore ventured
in anticipation of Sanction to
place a further sum of Rs 2000
at the disposal of Major Liardet
who is in charge of the work,
so that it might be pushed on
without interruption.

4. I now enclose 2 estimates
one for the North bank of the Palar
and

and the other for the Southern one-
both amounting to Rs 15487 &c
Sections of the embankment toge-
ther with copy of Mr Vincent's letter
dated 28th Ultimo for the in-
formation of the Board.

5. The importance of the work
has been already fully explained by
me and Mr Vincent has now clearly
described in his letter, the circum-
stances which have contributed
to increase the estimate to the
large sum above named. This
additional outlay is absolutely
necessary for the full comple-
tion of the embankment on
both sides of the river in a
solid and substantial manner
as desired by His Grace the Governor
and

and the work will provide
ample labor to a considerable
number of the needy poor who
are now about to be thrown out
of employment in consequence
of the exhaustion of funds.

6. Under these circumstances
I request that you will be good
enough to obtain the necessary
sanction for the additional allot-
ment of Rs 15487, in addition to
the already sanctioned amount
of Rs 2841 and to return the
estimates &c when no longer required.

7. Soliciting early orders

I have &c
(Sd) W. J. Whiteside
Collector

North Arcot
Collr's Office
Chittoor
1st May 1877

To the Secy to the
Board of Revenue
Madras

No 17 From The Assistant Engineer
Vellore Range

To The Collector of North Arcot.

Sir,

I am forwarding herewith the estimates amounting to Rs 15487 for embanking the North and South banks of the Palar river, above the bridge near Vellore, I have the honor to offer the following remarks on the subject.

2nd A survey of the locality was made in January last, & a rough estimate for the Sandwork of the proposed embankment was sent by me to the acting Sub Collector which amounted to a little under Rs 3000.

3rd The work was actually commenced at the beginning of March and when I was assisting Major Lardet who is in charge of the works to lay out the line of the embankment, I thought it best to alter the line from that laid down in the original plans, which was along the top of the river bank, to a straighter line, which in some places ran through, in some places encroached upon, became part of the bed of the river, though, as a matter of fact, lately forming part of the puttah lands on its bank.

4th Numerous curves in the embankment were thus avoided, the river will for the future be confined to its natural bed, and it may be possible to reclaim the above-mentioned puttah land, which has been rendered valueless by a deposit of river sand.

5th The change in the line of the
left embankment involved, however,
no increase in the estimate as
the bank had in many places
to be raised to its full height, from
the bed of the river instead of only
from the top of the river bank.
6th On the 28th March, His Grace
the Governor inspected the work &
the slopes of the banks which had
previously been fixed at 1 to 1
there, at his suggestion, increased
to 2 to 1, a change which involved
a large increase in the estimate
not only in the Sand work, which
forms the basis of the embank-
ment, but still more in the Coating
of Clay and in the turfing with
which it is to be eventually co-
vered.

The

7th The Covering of Clay, moreover,
which was fixed in the first place
at a thickness of 4 inches, has been
increased to a thickness of 9 inches,
and the charge for this part of the
work, has been estimated at a
higher rate than previously as
some difficulty is anticipated in
obtaining the material; about
which nothing was known at first

above mentioned
circumstances which I have thought
it best to enter into at some length,
it will be seen that there is not
much connection between the
original rough estimate, and the
correct detailed estimate now
forwarded, & which as I regret,
the large difference between the
two totals, it has been necessitated
unavoidably

unavoidably by the alterations
in the line, in the thickness of the
clay coating and in the slopes of
the embankment; the latter of
course, being the principal item

9th I am only forwarding you
a copy of the estimate, as the
Sections and plans are being
copied for the information of the
Chief Engineer, but should you
desire it, a copy of these shall
be sent to you as soon as possible-

10th I have thought it best, how-
ever, not to delay the forwarding
of the Estimate, until the plans
were ready, the work being
under execution and there being
such a large difference between
the present and the original esti-
mates

11th I hope that measures may be
undertaken soon, for covering
the Completed portion of the bank
with clay as a fresh in the river
would not leave much trace
of the Sand of which it is at present
composed.

12th At the last moment, I find
that I can send you Copies of the
Sections of the embankment, which

Yes. Will I
Endeavour to
telegraph instead
Mem Instructions
Yes

Estimate &c.

Vellore, Ingeram
Office, Vellore
28th April 1877

I have &c
(S) C. Varian
asst Engineer
Vellore Ingeram
(True Copy)
(S) W. S. Whiteside
Collector

The revised estimates will be
submitted for the Sanction of Govt
with reference to Govt Os 22nd Feb
1877 2nd 785 A & 30 March 1877 2nd 1273

2 The Countersignature of the
District Engineer should have been

been obtained to the Estimates.

They purport to provide, for the whole work and included it is presumed that already executed or a great part of it at least. The Board therefore do not understand why the amount is applied for in addition to that already sanctioned.

I have the honor &c.

Sec.y to Govt. R.D.

Encl.s to Sec.y

Encl.s

Rec: 1877 Dept
Fls. 2561
North Arcot

Proceedings of the
Board of Revenue
Dated 16th May 1877
Read 17 ult
on 6 Oct:
Dept 16 Oct
Cart

Submitting for the
sanction of Govt with
Board's remarks the
revised estimates for
Completing the N. & South
Palar embankments
in N. arcot Dt

With order

2561

Dl 1877

Ab 830

The Collr of N. Arcot submits
a sketch and estimate of
the cost of completing the
Palar embankments
Mr Foss & Mr Hall
Public Works Department
and the Govt