Archives 1—10,000—6-10-76.

(1) Number of pages 30

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(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. ~~B.P. No.~~ 543 W. Press. ~~Mis.~~

Dated 21-2-1879 ~~197~~.

G.P.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

21st February 1879, No. 543 W.

Buildings and Roads.

Civil Works.

Read the following papers :—

No. 183. From Major ROSS THOMPSON, R.E., District Engineer, Presidency, to the Chief Engineer, Buildings and Roads, dated Fort St. George, 6th September 1878, No. 3,394.

One Plan.
,, Estimate.
,, copy of Letter, No. 181, dated 3rd June 1878, from Major Clarke, R.E.

WITH reference to your memorandum, No. 1,806, dated 12th April 1878, paragraph 6, I have the honor to submit for sanction and allotment of funds a plan and estimate, amounting to Rupees 360, for constructing two dams across the Cochrane's Canal, Madras.

2. The work was ordered to be carried out on emergency as reported in my letter, No. 821, dated 10th May 1878, and completed; but the dam near the General Hospital Bridge, in obedience to your telegram, dated 15th May 1878, was not removed.

From Major S. C. CLARKE, R.E., Executive Engineer, Buckingham Canal Works, to the District Engineer, Presidency, dated 3rd June 1878, No. 181.

One Plan.
,, Estimate.

I HAVE the honor to submit an estimate for constructing the two embankments, as shown on the accompanying plan, across the Cochrane's Canal within the precincts of the Salt Cotaur. It will be observed from the cross section given that I have fixed the crest level of No. I dam at 10 feet above the canal bed, or about 3 feet above the highest known water-level. The top width has been fixed at 6 feet, while that of the bottom, the slopes being given a gradient of 2 to 1 will measure about 46 feet to 50 feet on the rear or north side. I have allowed for a number of short piles (set about 4 feet apart) to be driven in at the toe of the slope, and intend binding them together by intertwining split bamboo laths.

2. The earth for this embankment is to be taken partly from some mounds that exist near the site, and partly from the east slope or side of the canal as shown by the dotted lines on the longitudinal section.

3. In the case of the smaller embankment No. II on the plan, it is proposed to construct it immediately underneath the narrow wooden platform bridge, the clear span of which is only 24 feet. The section is to be similar to that of No. I embankment, having side slopes of 2 to 1.

4. This work has been commenced in anticipation of formal sanction of the estimate, as the Salt Department authorities are naturally very anxious to have the embankment existing near the Railway Station removed, which alone prevents them from conveying the large quantity of salt now lying in the Saidapet store yard up to the central depôt.

5. In order that the work should be carried out expeditiously, I have employed the Wuddurs under the supervision of a temporary Overseer (Mr. Scanlan), whose pay will be defrayed from the contingent charge of the estimate at the rate of Rupees 30 per month.

No. 183-A. Endorsement of the Revenue Department, dated Ootacamund, 30th September 1878.

From J. GROSE, Esq., Collector of Nellore, to the Secretary to Government, Revenue Department, dated Nellore, 25th September 1878, No. 3,859.

I have the honor to submit a plan showing how a bund erected across the canal at the Madras Salt Cotaurs between the Mulakottalum bridge and the Elephant Gate bridge interferes with the carriage of wood from our jungles at Striharikottah to the firewood depôt in Madras. In explanation I may mention that the channel round the east of the pans is too shallow and narrow for the boats used in this traffic, and that they cannot pass under the wooden bridges which span it. The wood or most of it has therefore to be landed at Mulakottalum in consequence of the bund, and the expense of carrying it thence by cart to the firewood depôt is very great.

2. When my attention was first called to the matter last June I addressed the Collector of Chingleput regarding it. From what he says I gather that the bund is part of a system for cleansing the Cooum; that it is altogether the work of the Department Public Works; and that it is not to be removed without orders from Government.

3. The Wood Overseer now states that the firewood from the fourth khandam of the Striharikottah jungles is shortly to be sent to the depôt in large quantities, and that the inconvenience caused by the bund will then be extremely great.

4. I shall be obliged if you will inform me when the bund is likely to be removed.

Transferred to the Public Works Department for consideration.

(Signed) L. A. CAMPBELL,
Under Secretary to Government.

No. 183-B. From Major S. C. CLARK, R.E., Acting Superintending Engineer, Third Circle, to the Chief Engineer, Public Works Department, dated St. Thomas' Mount, 3rd February 1879, No. 533.

With reference to your memorandum, No. 107, dated 8th January 1879, I have the honor to inform you that the Divisional Officer, Presidency, reports that as the estimate of Rupees 360 referred to has not yet been sanctioned, no expenditure has been incurred on it, and that the payment due to the contractor is deferred.

No. 183-C. From Major S. C. CLARKE, R.E., Acting Superintending Engineer, Third Circle, to the Chief Engineer, Public Works Department, dated St. Thomas' Mount, 6th February 1879, No. 600.

I have the honor to inform you that it appears from certain correspondence that has been going on between this office and that of the Executive Engineer, Presidency Division, that your memorandum, No. 4,326, of the 25th of September 1878, has never by some accident or another been replied to, and as it is of importance that the estimate for constructing the two dams in connection with the Cochrane's Canal should be sanctioned soon, since the work was carried out last May by a contractor who has not yet received any payment for it. The circumstances are as follow:—I as the Officer in charge of the Junction Canal Works informed Major Thompson, R.E., the District Engineer, in May 1878 that the Deputy Collector of the Salt Department had pointed out the necessity for constructing, in addition to the dam across the canal itself, a second one across a bye channel, about 200 yards to the south, which runs round to the east side of the Salt Cotaurs and by which the sewage water would find its way to the north side of the main dam, thus nullifying the utility of the latter structure. Orders were subsequently (May 10th) received from the District Engineer to proceed with the work rapidly, and as there was not an excessive amount of earthwork to be done, both works were very soon completed. Your telegram of the 15th of May followed up by the G.O., No. 2,174 W, of the 15th of May 1878, only forbad the old dam near the Hospital bridge being removed until satisfactory arrangements had been projected and approved of by the Government, and I am convinced that neither Major Thompson nor I read the order to mean that the two new works were to be discontinued, as they were considered of essential importance in the first instance. I regret that there should have been this misunderstanding of the wishes of the Government, but I trust that they may be pleased to sanction the outlay incurred in the construction of the said dams which amounted to about Rupees 350.

543/2

No. 184. Order thereon, 21st February 1879, No. 543 W.

Sanction is accorded to the estimate of Rupees 360 for dams across the Cochrane's Canal. The circumstances under which the expenditure was incurred, and the delay in answering the references made by the Chief Engineer, are not to the credit of the officer concerned.

2. The statement in the Acting Superintending Engineer's letter of 3rd February 1879 that no expenditure had been incurred is misleading, and should not have been made.

3. The necessary funds are now provided from the Reserve, and the Superintending Engineer will see that the contractor's claims are at once settled.

4. This sanction has been registered as Provincial No. 185 B. of 1878-79.

(True Extract.)

Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.

To the Superintending Engineer, Third Circle.
,, Examiner of Public Works Accounts.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1879} Madras.

PUBLIC WORKS.

To

The SUPERINTENDING ENGINEER,
THIRD CIRCLE,
&c., &c., &c.

Dated February 21st.

Issued

Recd.

Recd.

G. O., 21st February 1879, No. 543 W.

FEBRUARY.

Nos. 183-184.

Dams across the Cochrane's Canal.—Sanctions with remarks the estimate of Rupees 360 for —.

563/3

No. 3394,

From,

The District Engineer,
Presidency.

To,

The Chief Engineer,
Roads and Buildings.

Sir,

Enclo 3.
1. Plan.
1. Estimate.
1. Copy of letter No. 181 d/ 3d June 1878 from Major Clarke th.

With reference to your Memo: No. 1806 d/ 12 April 1878, para 6, I have the honor to submit for sanction and allotment of funds a plan and estimate amounting to Rs 360 for constructing two dams across the Cochrane's Canal, Madras.

2. The work was ordered to be carried out on emergency, as reported in my letters No. 821 d/ 10 May 1878, and completed; but the dam near the General Hospital Bridge in obedience to your telegram d/ 15 May 1878, was not removed.

[illegible] 15 May 78

Do.

I have the honor to be
Sir,
Your most obedient servant
Major R.
District Engineer Presy.

[illegible] 15 Sept. 1878.

Exd. G. W.

2174W. 15-5-78 Orgl.
3197W. 10..8.78.
4093. 12-9.78.
4094-12.9.78.
4044-9-9-78

DW 1878 B

4p88

No 10,009

Roads and Buildings.

From,

The District Engineer,
Presidency.

No: 3394, 107 of 8th Jany
Dated 6th 7 Sepr. 1878.-
Recd 7-3

No. of Enclosures- *3.

* 1 plan

* 1 Plan retd to S.E. 3 C.
vide O. No 2082/79. 11-3-79.

Cochrane's Canal.-

Submits Estimate for sanction for constructing dams across the —

183

Recir ~~25-9-78~~
Recir 18-9.78. Retd 25.9.78
Acc 7.9-78
Cr 16-9.78 Retd 18.9.78

No. 181.

3d June 1878.

1P2

To-

The District Engineer,
Presidency.

543/4

Sir,

I have the honor to submit an Estimate for constructing the two embankments, as shewn in the accompanying plan, across the Cochrane Canal within the precincts of the Salt Cotaur. It will be observed from the cross section given, that I have fixed the crest level of the Dam, at 10 feet above the Canal bed, or about 3 feet above the highest known water level. The top width has been fixed at 6 feet, while that of the bottom, the slopes being given a gradient of 2 to 1, will measure about 46 feet to 50 feet on the rear or north side. I have allowed for a number of short piles (set about 4 feet apart) to be driven in, at the toe of the slope, and intend binding them together by intertwining split bamboo latths.

Enclo:
1 Plan.
1 Estimate.

2. The earth for this embankment is to be taken partly from some mounds, that exist near the site, and partly from the East slope or side of the Canal - as shewn by the dotted lines, in the Longitudinal section;

3. In the case of the smaller embankment No: II, in the plan, it is purposed to construct it, immediately underneath the narrow wooden platform bridge - the clear span of which is only 24 feet, - the section is to be similar to that of No. I. Embankment - having side slopes of 2 to 1.

4. This work has been commenced in anticipation of formal sanction of the Estimate, as the Salt Department authorities are naturally very anxious to have the Embankment existing near the Railway Station removed, which alone prevents them from conveying the large quantity of salt, now lying in the Sydapet Store Yard, up to the Central Depôt.

5. In order that the work should be carried out expeditiously, I have employed the Wodders, under the Supervision of a temporary Overseer (Mr Scanlan) whose pay will be defrayed from the Contingent charge of the Estimate - at the rate of Rs 30 per month.

I have &c.

Sd. S. C. Clarke, Major R.E.
Ex-Engineer, M.C. works.

(True copy)

Major R.E.
District Engineer

Exd. G. W.

Nr 10009/78
3

No. 2859
Enclosure 1

NELLORE,
Collector's Office.
25th September 1878

From
THE COLLECTOR OF NELLORE,

To
The Secretary to Government, Revenue Department,
Fort St. George.

Sir,

I have the honor to submit a plan showing how a bund erected across the Canal at the Madras Salt Cotaurs between the [illegible] Bridge & the Elephant Gate Bridge interferes with the carriage of wood from our jungles at Sriharikotta to the Firewood depot in Madras. In explanation I may mention that the Channel round the east of the pan is too shallow & narrow for the boats used use in their traffic and that they cannot pass under the wooden bridge which spans it. The wood or most of it has therefore to be landed at Mulakollukum in consequence of the bund & the expense of carrying it thence by cart to the firewood depot is very great.

2 When my attention was first called to the matter last June I addressed the Exect. Engineer regarding it. From what he says I gather that the Bund is part of a system for cleansing the Cooum, that it is altogether the work of the D.P.W., and that it is not to be removed without orders from Government.

3. The Wood Overseer now states that the firewood from the 4 4/4 Khandam of the Sriharikotta Jungles is shortly to be sent to the depot in large quantities, & that the inconvenience caused by the bund will then be extremely great.

4 I shall be obliged if you will inform me when the bund is likely to be removed.

I have the honor to be
Sir
Your most obedt servant
J Grose
Collector

1878. Dept

11015

Revenue 1878 Deptt
Home No 4328
The Collector of
Nellore
To
The Secretary to Govt
R. Department
Ootacamund
Dated 25th } September/78
Despd 27
Recd 30 — do
No 3859
Encl 1

Submits a plan showing how a bund across the canal at the Madras Salt Cotaur interferes with the carriage of wood from the jungles of the Dist. & requests to ~~state~~ be informed when the bund is to be removed.
transferred

Transferred to the Public Works Department for consideration.

Under Secretary to Govt.

Ootacamund
30 September/78

C.E. No 4501 of 5th Oct

183A

To adj 2-10-78

No. 533

~~Chingleput~~ 3rd Circle Superintending Engineer's Office,
Saint Thomas' Mount, 3rd Feb 1879.

From
THE SUPERINTENDING ENGINEER,
~~Chingleput~~. 3rd Circle

To
The Chief Engineer
Public Works Department

Sir,

With reference to your Memorandum No. 107 dated 8th January 1879, I have the honor to inform you that the Divisional Officer, Presidency reports, that as the estimate of Rs 360 referred to, has not yet been sanctioned, no expenditure has been incurred on it, and that the payment due to the Contractor, is deferred.

I have the honor to be
Sir
Your most obdt Servt

Major, R.E.,
Ag Supg Engr, Third Circle

From the Supdt Engr 3d C.

No 533.

dated 3d }
Recd } Feby 1879

Estimate of Rs 360 for bund across Cochranes Canal — States that has not yet been sanctioned.

No. 600.

3d Circle
~~Chingleput~~ Superinteding Engineer's Office,
Saint Thomas' Mount, 6th Feby 1879.

543/9

From

THE SUPERINTENDING ENGINEER,
~~Chingleput~~ 3d Circle.

To

The Chief Engineer
Public Works Department.

Sir,

I have the honor to inform you that it appears from certain Correspondence, that has been going on between this office and that of the Executive Engineer Presidency Division- that your Memorandum No 4326 of the 25th of Sept 1878- has never by some accident or another, been replied to, and as it is of importance, that the estimate for constructing the two Dams, in connection with the Cochrane Canal- should be sanctioned soon, since the work was carried out last May, by a contractor, who has not yet received any payment for it. The circumstances are as follows.

1. I as the Officer in charge of the Junction Canal Works, informed Major

ompson R.E. the District Engineer
in May 1878 that the Deputy Collector
the Salt Department, had pointed
t the necessity for constructing in
ddition to the Dam across the Canal
itself, a second one across a bye channel,
about 200 yards, to the South, which runs
ound to the East side of the Salt Kotaurs
d by which, the Sewage water would
ind its way to the Northside of the
ain Dam, thus nullifying the utility
f the latter structure — Orders were
ubsequently (May 10th) received from the
District Engineer to proceed with the
ork rapidly and as there was not
n excessive amount of earthwork,
to be done – both works were very soon
ompleted. Your Telegram of the 15th
May, followed up by the G.O. No 2174 W
f the 15th of May 1878 – only forbad the
ld dam, near the Hospital Bridge
being removed until satisfactory ar-
rangements had been projected and
pproved of by the Government and
I am convinced that neither Major
Thompson nor I read the order to
mean, that the two new works were

to be discontinued, as they were consid
58/10 =ed of essential importance, in the
first instance. I regret that there sho
have been this misunderstanding of
wishes of the Government, but I trus
that they may be pleased to sanct
the outlay incurred in the Constructio
of the said Dams – which amounted
to about Rs 350.

I have the honor to be
Sir

Your most obedient servant,

Major R.E.

Ag Supg Engineer, 3rd Circle.

From the Supdg. Engr. 3rd C

No. 600.

dated 6th
Recd. } Feb 4/79.

Two Dams in connection with Cochrane's Canal —
Requesting sanction the outlay of about Rs. 350 incurred on the —

1890

Br Dept 563/11

Letter from the District Engineer, Presidency, No 3394 dated 6th Septr 1878.

In recirculating for sanction the estimate of Rs 360 for dams across Cochranes Canal the Chief Engineer has the honor to state that immediately after the opening of the Junction Canal in April he pointed out to the District Engineer that the dam near the Hospital Bridge prevented access to the Salt Cotaurs, and that as the principal traffic for the present was likely to be in salt it was a question for consideration whether the dam should not be removed and rebuilt further to the North or at the Salt Cotaurs.

× [illegible]

The amount must be sanctioned - but the matter is not to the credit of the ×D. E. — And I think ~~that~~ the statement ~~that~~ "No expenditure has been incurred" - in the letter of Supt Engr of 3 Feb/79 should not have been made — it shows that as I have often noticed

The Chief Engineer at the time was under the impression that the object of the dam was merely to keep up the level of the water in the Coovum and that its exact position was therefore immaterial. He was not aware that the dam was put up with a view to exclude sewage from the Coovum.

The District Engineer appears to have acted at once on the hint though his Executive Engineer's letter and estimate are dated 3d June. Immediately on the receipt of the District Engineer's letter of the 10th May reporting his intention to remove the dam near the Hospital Bridge he was informed by telegram that the dam was not to be removed. The dam near the Salt Cotaurs would appear to have been built before the telegram was received.

This Memo: has been kept back for some explanation from the District Engineer. This has now been supplied by the present Sup: Engr. Engineer but who last year was in charge of the Canal. It appears that he considered the dams were required for the exclusion of sewage from a part of the Canal. In fact there has been misapprehension about these

No sufficient account is taken of liabilities by the officers of the dept.

In this case the expenditure had really been incurred when the work was done

11/12

marks from the beginning.

[illegible] [illegible] [illegible]
[illegible] W. [illegible]

E A Wood Col CRE

Ch Engr & Secy to Govt

PWD

Feb/79

Cr 107. 8.1.79.
- 4581. 5.10.78.
- 4376 25.9.78
vide Chr 10,009.

[illegible] Ar 157 20/2

563/13

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following :—

From
e Dist Engr Presidency (H.E.) (No 3394 d/ 6th Septr/78)

The plan and Estimate of Rs 360 for constructing two dams across the Cochrane's Canal, are sanctioned, and funds provided from the Provincial Reserve.

16/1/79

t: Engr Presidency
4: P. W. Accts.

5

~~(2) Hon'ble [illegible]~~

~~4 His Grace the [illegible]~~

Pted

Apd [illegible] 543 W - 21 - 2 - 79

1st & 4th [illegible]

Dams [illegible]

understood [illegible]

proposed [illegible]

funds [illegible]

[illegible]

purposes of the [illegible]

~~Recir 25-9-78~~
Recir 18-9-78. Rtd 25-9-78
Cir 16-9-78
7-9-78 Rtd 18-9-78

[illegible] 21/2

10

B & R
I works

No. 543 W Public Works Department

543/14

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 21st Feby/79.

Read the following :—

2. Revenue Department — (H.E. — d/30th Septr 1878)
1. From the Dist. Engr Presidency (H.C. No. 3394 d/6th Septr 1878)
3. The Supg. Engr Third Circle (H.C. No. 533 d/ 3rd Feby 1879)
4. " — " do — do (" " 600 — 6th " —)

Sanction is accorded to the Estimate of Rupees 360 for dams across the Cochrane's Canal. The circumstances under which the expenditure was incurred, and the delay in answering the references made by the Chief Engineer, are not to the credit of the officer concerned.

2. The Statement ~~in the~~ in the actual Superintending Engineer's letter of 3rd February 1879 that

[illegible] 21/2

that no expenditure had been incurred was misleading, and should not have been made.

3. The necessary ~~appropriation~~ ~~of~~ funds are now provided from the Reserve; and the Superintending Engineer will see that the contractor's claims are at once settled.

This sanction has been registered as Provincial No. 18513 of 1878-79.

To The Superintending Engineer Third Circle
Examiner P.W. Accounts [illegible] Estimates

Acctt. 1—8—79—

[illegible]

~~Cr No 11229a~~

Govt. [illegible] 1879} Madras.

P[illegible]C WORKS.

To

Dated

Issued

Recd.

Recd. 24-2-79

Encl.

G. O., 21 Feby. 1879, No. 543 W

Nos. 183-184

Dams across the Cochrane's Canal. Sanctions ~~the~~ with remarks the estimate of Rs 260 for —