

(1) Number of pages 26
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(3) Initials of the Referencer bua

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

G.O. No.	1379w	~~Press.~~
B.P. No.		~~Mis.~~
Dated	14-6-1880	197.

Not to be folded or roughly handled

B.S. 24

1379
↑
GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th June 1880, No. 1,379 W.

Buildings and Roads.

Civil Works.

Read the following papers:—

No. 26. From Captain A. AWDRY, R.E., Superintendent of Works, Buckingham Canal, to the Chief Engineer, Public Works Department, dated Covelong, 12th May 1880, No. 473.

I HAVE the honor to inform you, with reference to your No. 1,295 of the 8th instant, that an estimate was forwarded yesterday to the Salt Commissioner, amounting to Rs. 18,300, for the requirements of the Ennore Bar to the end of 1880-81, which amount includes the Rs. 386 spent last year, so Rs. 17,914 are required in this year.

2. I much regret the delay which has occurred in sending in the estimate, but it was next to impossible to frame anything reliable, owing to the perpetual changes in the nature of the openings caused by changes in direction and force of winds and currents which had to be met immediately on their occurrence.

3. In spite of all our efforts the Ennore Bar was closed by the action of the high southerly winds on the morning of the 7th instant, but a fresh cut is being made now to serve at once for a time, and a better cut near Messrs. Binny and Co.'s bungalow at the south end of the sand bank has been estimated for to be opened as soon as suitable opportunity offers, as the site is far better than that of the bar just closed.

No. 26-A. From the same Officer, dated Kistnapatam, 24th May 1880, No. 613.

I HAVE the honor to submit estimates with descriptions of the works for "maintaining the Ennore Bar open" and for "opening it" in a better place near Messrs. Binny and Co.'s bungalow, where the opening is likely to be more permanent.

- 1 Sketch.
- 1 Section.
- 1 Specification Report.
- 1 Detailed Estimate.
- 2 Abstract Estimates.

2. The former estimate amounts to Rs. 10,425, which includes work already done in preventing the bar closing, and further work required to keep the opening going until the new cut is made as proposed in the second estimate which amounts to Rs. 7,875—

3. On the 5th March the Assistant Commissioner of Salt Revenue wrote to the Superintending Engineer, Third Circle, to inform him that the Ennore Bar was closing, but that it was necessary that it should be kept open for the operations of the salt manufacture, the Superintending Engineer transferred the letter to me and I put the matter in hand at once directing Mr. Ottmann to run out a temporary groyne of piles and sand bags 450 feet to the south of the bar to take the long-shore current off it, and at the same time to set gangs of work-people to disturb the edges of the bar opening at receding tides so that the outward flow of the water might cut the opening wide. This has succeeded to a certain extent with the assistance of cuts made through the sand shoals as they formed in the backwater, but the backwater is very much shallowed behind and the direction of the bar opening got more and more to the northward until on the 7th instant the action of the strong southerly winds closed it. It has opened again slightly and must be maintained open if possible by making the cut C and protecting its entrance on the southern side.

4. It will be necessary however to make an entirely fresh opening through the bar in a better situation than the present one, which is too far to the north to get the outward rush of the water from the backwater with much force, and the consequence appears to be that the backwater is very shallow behind the bar. The best place is undoubtedly the south end of the sand bank or bar next to Messrs. Binny and Co.'s property, the backwater behind the bar at this point is very deep and opens straight upon the broad lake so that the situation is a very suitable one.

5. The estimate for opening this bar includes a groyne the cost of which is based on the actuals of the similar groyne now built for protecting the present opening after making allowance for the value of old materials to be secured if possible from the present groyne and employed in its construction for cutting through the beach, making a ring bund round the head of the cut, and maintaining it open after it has been opened out. I hope that this cut may be ready in time for any such heavy storm as usually occurs in this or next month to scour it out by the full depth of the backwater behind it.

6. I have the honor to request sanction and an appropriation of Rs. 17,914 as Rs. 386 were expended in last year. The estimates have been countersigned by the Commissioner for Salt Revenue in whose interests solely the work is necessary.

No. 26-B. From the same Officer, dated Pambali, 27th May 1880, No. 659.

I HAVE the honor to inform you that I have just received reports from the Sub-division Officers that the Ennore and Covelong Bars have closed. The Covelong Bar was opened on the 26th March and maintained open since that date, and the Ennore Bar has been maintained open, with the exception of an interval of a day or two since March, when it began to show signs of closing.

2. As the Commissioner of Salt Revenue considers it absolutely necessary to maintain these bars open, I have in anticipation of sanction authorised Mr. Ottmann to commence the operations for opening the Ennore Bar at its south end near Messrs. Binny and Co.'s property (on the estimate countersigned by the Commissioner of Salt Revenue and forwarded to you with my No. 613 of the 24th instant), taking care to protect their property from injury by groynes and revetments of piles and sand bags if any set of the current should appear likely to give rise to damage.

3. Conductor Power (in my absence from head-quarters), when the Covelong Bar closed on the night of the 20th instant, immediately communicated with the Salt Department, and, ascertaining from Mr. Ricketts that it was absolutely necessary to re-open the bar, he has framed an estimate amounting to Rs. 5,700 which I have sent to the Commissioner of Salt Revenue for countersignature and will forward to you in due course for sanction; in the meanwhile as the work is emergent he has put it in hand and I have informed him that I approve of his action in doing so; he has twice running successfully opened this bar and is acting on precisely similar principles in the present case, but is putting the groyne 700 instead of 450 feet to the south of the opening, as the former distance is too small for the groyne to last for long as a protection during the prevalence of strong winds. The Covelong Bar was, on the evening of the 20th instant, running well, the water being 45 feet wide and 4 feet deep, but very high winds closed it up entirely during the night. The new opening will be made further to the south where rocks afford some protection and where the backwater is deep behind the bar, I at former inspections of the bar had arrived at the conclusion that this was the point to be tried next and that in high winds the groyne should be further off than when the weather is quieter.

4. I trust that my action in putting these two works in hand at once will meet with your approval and sanction.

P.S.—Ennore 31st May. Since drafting the enclosed and while it was being copied for my signature I learn that in the full moon high tide the waves came into the Ennore backwater over the bank thrown up, when the bar closed, and re-opened it on the 26th instant. This occurred also on 7th instant the bar being

only closed for a couple of days, re-opening on 9th instant. The opening is however so shallow and backwater behind it so unsatisfactory that I am pushing on the cut at the south end of the bank near Messrs. Binny and Co.'s property so as to be ready for a shower of rain to breach it through.—A. A.

No. 27. ORDER THEREON, 14th June 1880, No. 1,379 W.

THE estimates, amounting in the aggregate to Rs. 18,300, for "maintaining the Ennore Bar open" and for "re-opening it in a better place," are sanctioned.

2. As the amount at the disposal of Government under Reserve "Salt" is insufficient to meet the demands under this head of service, it will be decided what appropriation of funds can be made for this work when the statement of incomplete works comes under consideration.

3. The action of the Superintendent of Works is approved, but he will carry out only such works as are really emergent leaving the rest to be proceeded with and paid for in the next official year.

4. This sanction has been registered as Imperial No. 5 B. of 1880-81.

(True Extract.)

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

To the Superintendent of Works, Buckingham Canal, with 5 Enclosures.
" Examiner of Public Works Accounts, with Estimate.
" Revenue Department.
" Commissioner of Salt Revenue.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1880 Madras.
PUBLIC WORKS.

To
THE SUPERINTENDENT OF WORKS,
BUCKINGHAM CANAL.
&c., &c., &c.

Dated June, 14th.

Issued

Recd.

Encl.

G. O., 14th June 1880, No. 1,379 W.

JUNE.
Nos. 26-27.

Ennore Bar.—Estimate of Rs. 18,300 for
maintaining life — open — and for “re-
opening it in a better place,” sanctioned.

Office of Superintendent of Works
Buckingham Canal
No. 473. Camp Chaplain 12th May 1880.
Despatched 13th do — 1379
From, The Superintendent of Works
Buckingham Canal
To, The Chief Engineer.
Public Works Department
Chennai

Sir, I have the honor to inform
you with reference to your No. 1295 of the
6th Instant that an estimate was forwarded
yesterday to the Salt Commissioner
amounting to Rs. 18,300 for the requirements
of the Ennore Bar to the end of 1880-81
which amount includes the Rs. 386 spent
last year so Rs. 17,914 are required in this year.
2. I much regret the delay which
has occurred in sending in the estimate but
it was next to impossible to frame anything
reliable owing to the perpetual changes in the
nature of the openings caused by changes

in direction and force of winds and currents
which had to be met immediately on their
occurrence.

3. In spite of all our efforts the Emma
Bar was closed by the action of the high southerly
winds on the morning of the 7th instant, but
a fresh cut is being made, now to serve
at once for a time, and a better cut near
Messrs. Binney & Co. at the south
end of the sand bank has been estimated
for, to be opened as soon as suitable opportunity
offers as the site is far better than that of the
Bar just closed.

I have the honor to be,
Sir,
Your most obedient servant

A. Cowen. Captain R.E.
Superintendent of Works
Buckingham Canal

137⁹
2

Mem No 1295 of 5-5-80

From,
The Superintendent
of Works
Buckingham Canal.
P.W.D.
14/5/80
To, No 3123

The Chief Engineer
P.W. Department
Dated 12th May 1880
Desp. 13th - do -
No 473.
Enclosure -

Estimate for opening
the Ennore Bar -
Informs that the -
was forwarded to
the to the Salt Commission
for countersignature.

Cir 7-6-80. Rtd 12-6-80 -
O. 6-6-80

No. 613

OFFICE OF THE SUPERINTENDENT OF WORKS,

Buckingham Canal,

Camp, Krishnapatnam, 24th May 1880.

Despatched 27th

From

The Superintendent of Works,

Buckingham Canal,

To

The Chief Engineer.

Sir,

Public Works Department

Enclosures 6

1. Sketch

2. Section

1. Specification Report: Estimates with descriptions of

1. Detailed Estimates

2. Abstract estimates the works for "maintaining the

Ennore Bar open" and for "opening
it 'in a better place' near Messrs
Binny and Co's Bungalow where
the opening is likely to be more
permanent.

2. The former estimate
amounts to Rupees 10,425, which
includes work already done in
preventing the Bar closing and
further work required to keep the
opening going until the new cut
is

is made as proposed in the Second Estimate which amounts to Rupees. 7875.

3. On the 5th March the Assistant Commissioner of Salt Revenue wrote to the Superintending Engineer 3rd Circle to inform him that the Ennore Bar was closing but that it was necessary that it should be kept open for the operations of the Salt Manufacture, the Superintending Engineer transferred the letter to me and I put the matter in hand at once directing Mr Ottmann to run out a temporary groyne of piles and sand bags 450 feet to the South of the Bar to take the long shore current off it and at the same time to set gangs of work-people to disturb the edges of the bar opening at receding tides so that the

the outward flow of the ¹⁵¹⁹₆ water might cut the opening wide. This has succeeded to a certain extent with the assistance of cuts made through the sand shoals as they formed in the Backwater, but the Backwater is very much shallowed behind and the direction of the Bar opening got more and more to the Northward until on the 7th Instant the action of the strong Southerly winds closed it. It ~~was~~ ^{has} opened again slightly and must be maintained open if possible by making the cut. C and protecting its entrance on the Southern side.

4. It will be necessary however to make an entirely fresh opening through the Bar in a better situation than the present one which is too far to the North to get the outward rush

rush of the water from the Backwater with much force, and the consequence appears to be that the backwater is very shallow behind the Bar. The best place is undoubtedly the South end of the ^{Sand Bank or Bar} ~~Bar~~ next to Messrs Binny and Co's property. The Backwater behind the Bar at this point is very deep and opens straight upon the broad Lake so that the situation is a very suitable one.

5. The Estimate for opening this Bar includes a groyne the cost of which is based on the actuals of the similar groyne now built for protecting the present opening after making allowance for the value of old materials to be secured if possible from the present groyne and employed in its construction, for cutting ^{through} the beach, making

making a ring ¹³⁷⁹ ¹³⁰ build round the head of the cut, and maintaining it open after it has been opened out. I hope that this cut may be ready in time for any such heavy storm as usually occurs in this ^{next} month to scour it out by the full depths of the Backwater behind it.

6. I have the honor to request sanction and an appropriation of Rupees 17,914 - as Rupees 386 were expended in last year. The Estimates have been countersigned by the Commissioner for Salt Revenue in whose interests solely the work is necessary.

I have the honor to be

Sir

Your most obedient Servant

A. Awdry

^{Captn. R.S.}
Supt. of Govt. & Public Works.

From

The Superintendent of Works,
P.W.D.
Buckingham Canal.

To No. 3435
The Chief Engineer

P.W. Department
Madras

Dated 24th May 1880.

No. 613

ENCLOSURE 6.

2 plan

Ennore Bar - Gulmills

Estimate for opening and
for maintaining open the -

Cir 7.6.80.
O. 4-6-80

Q. 13798-14.6-80
P. W. SECRETARIAT-1879-80.

KEEP WITH.

Current No. 3435.

Letter No. 613

Dated the 24th May 1880.

from the Supdt of Works,
Buckingham Canal.

Note of Remarks.

The Estimate with Plan
& Section & Specification for
Maintaining the Ennore
Bar open & for opening
it in a better place near
Messrs Binny & Co's
Bungalow, amounting to
Rs 18,300, has been ex-
amined & found correct.

The Rates could not
be compared, no data has
been furnished.

The Estimate has
been approved & Committee
signed by the Commissioner
of Salt Revenue.

3rd June 1880.

W. J.

O. 4-6-80

No. 659.

OFFICE OF THE SUPERINTENDENT OF WORKS,

Buckingham Canal,

Camp, Pambali 27th May 1880.

From

The Superintendent of Works,

Buckingham Canal,

To

The Chief Engineer

Sir,

Public Works Department

Enclosure.

I have the honor to inform you that I have just received reports from the Sub Division Officers that the Ennore and Lovelong Bars have closed. The Lovelong Bar was opened on the 26th March and maintained open since that date, and the Ennore Bar has been maintained ^{with the exception of an interval of a day or two} open since March when it began to show signs of closing.

2. As the Commissioner of Salt Revenue considers it absolutely necessary to maintain these Bars open I have in anticipation of sanction

sanction authorized Mr Ottmann
to commence the operations for
opening the Ennore Bar at its south
end near Messrs Binny and Leo's
property (on the Estimate countersigned
by the Commissioner of Salt Revenue
and forwarded to you with my ^{let 3435}
No. 613 of the 24th Instant) taking care ^{in the 24th}
to protect their property from injury
by groynes and revetments of piles
and sand bags if any set of the
current should appear likely to give
rise to damage.

3. Conductor Power (in my
absence from Head Quarters) when
the Cavelong Bar closed on the night
of the 20th Instant immediately
communicated with the Salt
Department, and, ascertaining
from Mr. Ricketts that it was
absolutely necessary to reopen
the Bar, he has framed an Estimate
amounting to Rupees 5700. which
I

86 1399
I have sent to the Commissioner
of Salt Revenue for countersignature
and will forward to you in
due course for sanction, in the
meanwhile as the work is
emergent he has put it in hand
and I have informed him
that I approve of his action
in doing so; he has twice
successfully opened
this Bar and is acting on
precisely similar principles
in the present case but is
putting the groyne 700 instead
of 450 feet to the South of the
opening as the former distance
is too small for the groyne
to last for long as a protection
during the prevalence of strong winds.
The

The lowlying Bar was on the evening of the 20th Instant running well the water being 45 feet wide and 4 feet deep but very high winds closed it up entirely during the night.

The new opening will be made further to the South where rocks afford some protection and where the Backwater is deep behind the Bar, I at former inspections of the Bar had arrived at the conclusion that this was the point to be tried next and that in high winds the groyne should be further off than when the weather is quieter.

4. I trust that my action in putting these two works in

19
in hand at once will meet with your approval and sanction.

I have the honor to be
Sir,

Your Most Obedient Servant,
A. Awdry Captain R.E.
Superintendent of Works.
Buckingham Canal.

104
H6

P.S. — Ennore 31st May. Since drafting the enclosed and while it was being copied for my signature I learn that in the full moon High Tide the waves came into the Ennore Backwater over the Bank thrown up when the ^{bar} closed and re-opened it on the 26th Inst. This occurred also on ^{the 2nd} ~~last~~ month the Bar being up closed for a couple of days ^{requiring a 9th day}. The opening is however a shallow ^{usual} Backwater behind it & unsatisfactory that I am pushing on the Cut at the South End of the Bank near ^{the} ~~being~~ ^{being} ~~also~~ ^{also} ~~proposed~~ ^{proposed} ready for a shower of rain to break it through. A. Awdry, Captain R.E. Superintendent of Works Buckingham Canal.

From

The Superintendent of Works,
P.W.D.

3 JUN 80

Buckingham Canal.

To Mr

3558

The Chief Engineer
P.W. Department

Dated 27th May 1880.
Despatch June 1880
No. 659.

ENCLOSURE.

Ermore and Lovelong
Bars—

Reports about putting
in hand, in anticipation
of sanction of Estimates,
the closing of—

2nd June

Cir 7.6.80. Retd 12.6.80—
6.6.80

No. 1379 W 8

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 14th June 1880.

Read the following:—

From the Supdt of Mr No.

Buckingham Canal

(H No 473 d/12 May 1880)

Rs —

Rs —

(Rs 613 — 24 —)

Rs —

Rs —

(Rs 659 — 27 —)

The estimates amounting
in the aggregate to Rs 18,300
for "maintaining the Ermore
bar open" and for "respon-
ding it in a better place"
are sanctioned.

2. As the amount at the
disposal of Government
under Reserve "Salt" is
insufficient to meet the
demands under this
head of service, it will
be decided what appro-
priation of funds can

be made for this work
when the statement of
Incomplete work comes
under consideration.

3. The action of the
Superintendent of work
is approved, but he will
carry out only such work
as are really emergent
leaving the rest to be
proceeded with and paid
for in the next official

year.

(4) L. 6

~~Att~~

7/6/80

This question has been
registered as Suppl No
5th of 1880/81.

Cir 7.6.80. Dtd 12.6.80.
O 6.6.80

Supdt of work Blanaid
Ex: Mr Acpt with entry
Rev Dept
Comm Salt Rev
R.P.

24-6
12/6

1379
13

3558

Gobt. of 1880 Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O. 11th June 1880, No. 1374W

Nos. 26-27

Ermore Bar

~~The~~ Estimate of
Rs 18301 for "maintaining
the — two open" and
for "reopening it in
a better place"

Sanctioned

65
6
S/W