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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU
DEPARTMENT

PUBLIC WORKS

G.O. No.	487.W.	Press.
B.P. No.		Mis-
Dated	30.1.1878	197.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

30th January 1878, No. 487 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 291. From Major ROSS THOMPSON, R.E., District Engineer, Presidency, to the Chief Engineer, Buildings and Roads, dated Fort St. George, 21st January 1878, No. 5,903.

I HAVE the honor, with reference to your memorandum No. 4,440, dated 13th December 1877, paragraph 3, to submit a report and bill of cost prepared by Lieutenant Baddeley, R.E., regarding the

One original Report.
" Bill.
closing of the Cooum bar on the night of the 19th and morning of the 20th ultimo. The arrangements made by Lieutenant Baddeley, R.E., assisted by Overseer Sergeant Reader, R.E., were excellent, and the work was admirably carried out by the Sappers and Wudders. I watched the operation closely and am convinced that as much water was impounded as was possible. A high tide and heavy surf however carried away the bund on the night of the 20th, and fortunately established so deep a channel through the bar that there has been a regular ebb and flow of the tide in the Cooum up to the 18th instant. On the whole therefore the failure to keep the sea out on the 20th ultimo was a most fortunate occurrence.

2. The bar closed spontaneously on the 18th instant, leaving the water in the Cooum at a high level, which has been slightly raised since by the wash of the surf over the sand bank.

From Lieutenant W. L. C. BADDELEY, R.E., Assistant Engineer, Fort and Southern Ranges, to Major ROSS THOMPSON, R.E., District Engineer, Presidency, dated Fort St. George, 15th January 1878, No. 180.

WITH reference to your No. 5,708 of 11th January 1878, I have the honor to forward a bill, amounting to Rupees 340, for expenditure incurred in closing the Cooum bar on the night and early morning of the 19th and 20th of December 1877, respectively.

One Bill.
" List of materials.

2. The work was undertaken with the object of closing the bar at the top of the high tide, as it was feared that it would gradually silt up and eventually close when the river was very low.

3. Some few days previous to commencing work a number of rice bags were purchased and each bag was converted into two, so that when filled with sand they might be easily handled, and as a precaution for the men working two stout hawsers were run across the mouth of the river marking the position of the proposed bund.

4. The actual construction did not commence till about 4 A.M. on the 20th, as it was not desirable to obstruct the flow of the high tide into the river more than was absolutely necessary, and about 9-30 A.M. the bund was complete as far as laying sand bags went, but in order to make it as strong as possible sand was heaped up against the river side of it until a width of nearly 20 feet was attained.

5. The difficulty in the work was to make the final closing just as the tide had reached its highest and the river was on the point of flowing back, this however was successfully accomplished and the sea ebbed, leaving the river securely closed in.

6. On the night of the 20th, however, the high tide proved too much for the bund, breaking it to pieces and re-establishing the tidal flow in the river, which has continued up to this date.

7. There can be no doubt that if the present rise and fall of tide in the river would continue its sanitary condition would continue to improve, and from the appearance of the mouth this morning it seemed as if nature could be assisted by cutting through a tongue of sand which must obstruct the tide considerably when entering the mouth, but unfortunately the alignment taken up the mouth is so variable that portions of sand which would appear to be obstructions when the river is running out disappear altogether when the high tide comes up, and moreover the entrance through which the tide enters is continually altering in direction and shape.

8. The delay in submitting the bill of expense has been due to the length of time occupied in recovering as many bags as possible from the broken bund.

No. 292.

ORDER THEREON, 30th January 1878, No. 487 W.

* The charge amounting to Rupees 340 for closing the Coom bar on the night of the 19th December 1877 is sanctioned, and funds are transferred from the appropriation of Rupees 3,800 for the Master Attendant's house at Cocanada, on which, it is noticed, no expenditure took place up to end of November 1877.

2. This sanction has been registered as Provincial No. 263 B of 1877-78.

(True Extract.)

Colonel. R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Presidency.

" Framingham, Mass. Goldbury.

" Examiner of "Public Works Accounts, with the P.W.D.
 Marine Dept.

Marine Department.

BUILDINGS AND PUBLIC
CIVIL WORKS.

Govt. of (1878) Madras.
PUBLIC WORKS.

THE DISTRICT ENGINEER,
PRESIDENCY,
Sd, Sd, Sd.

Dated January 20th.

To

For

By

G. O., 30th January 1878 No. 487 W

JANUARY.

Nos. 291-292.

Comm. Bar.—The charge for closing the
—on the night of the 19th December 1877
sanctioned and funds appropriated.

No. 5903.

From

The District Engineer,
Presidency.

To

The Chief Engineer,
Buildings & Roads

Sir,

I have the honor, with reference to
Your Memo. No. 4440, dated 13th December 1877,
Para 3, to submit a report and bill of
cost prepared by Lieut. Braddley R.L. re-
garding the closing of the Comm. Bar on
the night of the 19th and morning of the
20th ultimo. The arrangements made by
Lieut. Braddley R.L. assisted by Overseer,
Sergeant Reader R.L. were excellent, and
the work was admirably carried out by
the Sappers and Widdiers. I watched
the operation closely and am convinced
that as much water was impounded, as
was possible. A high tide and heavy
surf however, carried away the bund
on the night of the 20th, and fortu-
nately established so deep a channel
—through

Encl.

1. Original
report.
1. Bill.

through the bar that there has been a regular ebb and flow of the tide in the Coom up to the 18th instant. On the whole therefore the failure to keep the sea out on the 20th ultimo was a most fortunate occurrence.

2. The bar closed spontaneously on the 18th instant, leaving the water in the Coom at a high level which has been slightly raised since by the wash of the surf over the land bank.

I have the honor to be
Sir,
Your most obedient servant
Mr. Thompson Major R.
~~Dist. Engineer~~
president.

For George
21 Aug 78.

Rob.
97.

282
K

Buildings & Roads.

From,

The District Engineer
Presidency.

No. 5903.

Dated 21 Jan'y. 1878.

No. of Encls. 2.

Coombar Bar. —

Submits report
& Bill of cost in closing
the —

Jan 24-1-78

No 180
FORT SAINT GEORGE,
Dated 15th January 1878.
From
THE ASSISTANT ENGINEER,
Fort and Southern Ranges,
To
P. S. THE District Engineer
Presidency
16 JAN 78
Sir,

With reference to your No 5708
of 11th January 1878 I have the honor
to forward a Bill amounting to
Rs 340-00-00 for expenditure incurred
in closing the Coombar Bar on the night
& early morning of the 19th & 20th of Decr 77
respectively.

2. The work was undertaken with
the object of closing the Bar at the top
of the high tide; as it was feared that
it would gradually lift up & eventually
close when the River was very low.

3. Some few days previous to
commencing work a number of free
bags were purchased and each bag

was converted into two, so that when filled with sand they might be easily handled & as a precaution for the men working 2 stout rafts were run across the mouth of the river marking the position of the proposed bund.

4. The actual construction did not commence till about 4 A.M. on the 20th as it was not desirable to obstruct the flow of the high tide into the River more than was absolutely necessary; and about 9.30 AM the bund was complete as far as laying sand bags went; but in order to make it as strong as possible sand was heaped up against the Riverside of it until a width of nearly 20 feet was attained.

5. The difficulty in the work was to make the final closing just as the tide had reached its highest

and

and the River was on the point of flowing back; this however was successfully accomplished and the sea, closed leaving the River securely closed in.

6. On the night of the 20th however the high tide proved too much for the bund, breaking it to pieces & re-establishing the tidal flow in the River which has continued up to this date.

7. There can be no doubt that if the present rise & fall of tide in the River would continue its sanitary condition would continue to improve & from the appearance of the mouth this morning it ~~seemed~~ ^{seemed} as if nature could be aided by cutting through a tongue of sand which must obstruct the tide considerably when entering the mouth; but unfortunately the alignment taken up the mouth is so variable that portions of sand which would appear to be obstructions when the river is running out disappear altogether when the high tide comes up, and moreover the

the entrance through which the tide enters
is continually altering in direction & shape.

P. The delay in submitting the Bill
of expence has been due to the length
of time occupied in recovering as
many bags as possible from the broken
bundle.

I have the honor to be

Sir

Yours most obed^t & devot^d

Wm Baddley Lieut. R.E.

Assistant Engineer F. Range

From
The District Engineer
Fort Range

No 180

Dated 15th }
Read } January 1878

Closing the Cocon
Bar.

Forward Bill for
_____ with the cause
of delay &c _____

Read at the 3rd. Chamber
for the cause of delay &c
18th Feb. 1878.

Engl. Secy. for the

13th R.
Clerk
No 487 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 30th Jan'y/78

Read the following:—

From the District Engineer
Presidency

No 3903 d/21 Jan'y 1878

The bill amounting
to Rs 340 for closing the
Cocon Bar on the night
of the 19th December 1877 is
sanctioned, and funds are
transferred from the appo-
-riation of Rs 3800 for
the Master Attendants
House at Coconada, on
which it is noticed, &
no expenditure took place
up to end of November 1877

To The Dist. Engineer, Presidency
do do Godavary
Examiner P.W. Accounts
Marine Dept.
Dtd 6-2-78 R.
This sanction has been
registered as Provincial No 26813
13/1/78
1 Tell

C. 1878
Obt. of 1878 *March*
PUBLIC WORKS.

To *The N. B. Henderson*

Dated

Issued

Recd.

Encl.

G. O., *30 Jan* 1878, No. 487W

Nos.

Corum Bar *Mecharge*
Inclosing the — on the
night of the 19th Decr 1877
sanctioned and funds
appropriated.

Butler & Co.