

- (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. <i>1145</i> (W)	Press ~~Mis.~~
Dated <i>4-4-</i>	<i>1877.</i>

Not to be folded or roughly handled

Read the following papers :—

No. 91. From Major ROSS THOMPSON, R.E., District Engineer, Presidency, to the Acting Joint Secretary to Government, Public Works Department, Buildings and Roads Branch, dated Fort St. George, 23rd March 1877, No. 6,683.

WITH reference to your memorandum No. 592, dated 7th March 1877, I have the honor to submit a plan and estimate, amounting to Rupees 6,600, for constructing a new groyne along the south of the Napier's bridge; and to state that the estimate for cutting the Cooum bar will follow immediately.

One Plan.
„ Estimate.

No. 91-A. From the same Officer, dated Fort St. George, 28th March 1877, No. 6,773.

ADVERTING to memorandum No. 592, of 7th March 1877, I have the honor to submit an estimate, amounting to Rupees 1,700, for cutting the Cooum bar and keeping it open during eight consecutive flood (day) tides. The increase of $1\frac{1}{2}$ Pies per cubic yard in the rate for each consecutive cutting is on account of the extra lift and lead created by throwing up 1,200 cubic yards of sand each time.

One Estimate.

No. 91-B. Memorandum by Acting Chief Engineer, Buildings and Roads Branch, Public Works Department, dated 31st March 1877.

No. 92. ORDER THEREON, 4th April 1877, No. 1,145.

CIVIL WORKS, No. 9-A.

(a) *Heads of Service.*—Provincial.
Fund.—Ordinary.
Class.—Original Works,
Main-head.—Miscellaneous Public Improvement.
Sub-head.—A. Inland Improvement.
Section.—i. Improvement to Towns.
Name of Work.—Cutting the Cooum Bar.
Amount.—Rupees 1,700.
To be carried out by the Public Works Department.

HIS GRACE the Governor in Council while not approving of the lengthening of the groyne south of the Napier bridge at an estimated cost of Rupees 6,600 sanctions the estimate of Rupees 1,700 for opening the Cooum bar during eight consecutive diurnal spring tides; the rates entered in the estimate for the excavation

and removal of mere sand are very high, and His Grace considers might be reduced by throwing much of the spoil into the sea north of the cutting, and thus diminish the length of lead and the height it would otherwise have to be carried.

2. Funds will be provided from the Provincial Reserve of 1877-78.
3. The above sanction has been registered as Provincial No. 21 W. of 1877-78.

(True Extract.)

Colonel,
Acting Joint Secy. to Govt., P.W.D.,
Buildings and Roads Branch.

To the District Engineer, Presidency.
„ Examiner of Public Works Accounts.
Exd. S. T. Austin.
Spare Copies

(a) Heads of Service—*Provincial.*

Fund. *Ordinary*

Class. *Original works.*

Main-head. *Mis. Public Empl.*

Sub-head. *A. Inland Improvement*

Section. *i. Improvement to Towns.*

Name of Work. *Leveling the Coom Bar.*

Amount. *Rs. 1700*

To be carried out by the *P.W.* Department.

Print in the margin of G.O. No. 1145-D 4-4-77

70512 of 1876-77

*Estimate for Constructing a new Groyne along
the South of Rapids Bridge.*

Quantity	Particulars.	Rate			Amount		
		R	A	S.	R	A	S.
1400 C.Y.	Stacking rough stone on the South Beach, near position of new groyne proposed to be built —	4	"	"	5600	"	"
1400 C.Y.	Labor for placing as shown in accompanying Plan —	"	8	"	700	"	"
	Sundries —				300	"	"
	Total Rupees —				6600	"	"

*W. B. Baddley L. P. R.
Asst. Engineer.
Int. Range.*

*Int. S. B. B.
23 March 1877*

*W. Thompson Maj. R.
District Engineer
Residence*

*Checked
20-3-77
Comd. C. B.
17-3-77*

P.W.D.

26 MAR 77

3233

N 7697

From

Ant. Engineer.

Int Range.

No. 512 R 1876-77.

Dated 17 March 1877.

Per [Signature]

No of Encls.

Encls. - 1 paper 1 bridge.

Forward Estimate of [unclear]

28 MAR 77

Head of Service. Provincial.
Fund. Ordinary
Elges. Original works

Main. Head Miscellaneous Public Improvement.

Sub. Head Improvements to Town. CE Memo No 572

Name of work. - Cutting the Coom Bar, wide of [unclear]

7th March 1877 to February 1877.

Amount. Rupees. 1700.

To be carried out Departmentally.

	Description of work.	Rate			Amount			Total.		
		Per	Per	Per	Per	Per	Per	Per	Per	Per
1180	Cut 1st Cutting				19	cf	157	3	157	3
1200	" For 2nd [unclear]				110	"	110	10	110	10
1200	" " 3rd [unclear]				150	"	150	"	150	"
1200	" " 4th [unclear]				159	6	159	6	159	6
1200	" " 5th [unclear]				168	12	168	12	168	12
1200	" " 6th [unclear]				178	2	178	2	178	2
1200	" " 7th [unclear]				187	8	187	8	187	8
1200	" " 8th [unclear]				196	14	196	14	196	14
	Superintendence and sundries.								61	9
Total Rupees					1700					

Approved for Rs 1700 & required.
as Provincial Rs 214 of 1877. Rs 4. 0. 0. 11/4. 4. 77.

Fort Saint George.
27 March 1877.

H. C. Baddley Lieut. R.E.
Assistant Engineer
Fort Range.

[Signature]
District Engineer
Residency.

Comd [Signature]
27-3-77.

P.W.D.
29 MAR 77
No. 3357

From,

The Assistant Engineer
First Range

Coombar

No. of 1846-77.

Dated 27 March 1877.

Coombar Bar.
Towards Estimate of Rs. 1400-
for cutting the—

L. O. 4th April 77 I B. K. 91

Buildings & Roads No. 1883.

From,

The District Engineer,
Residency.

To,

The Chief Engineer,
Buildings and Roads.

Sir, With reference to your memorandum
No. 592 of 7 March 1877, I have the honor
to submit a plan and estimate amount-
ing to Rs 6,600 for constructing a new
Gorge along the south of the Napier's
Bridge; and to state that the estimate
for cutting the Coombar will follow
immediately.

I have the honor to be

Sir,

Your most obedient servant

R. Thompson Majr. R.

District Engineer
Residency

Art. R. G. S.
25 March 77

Encl. 77

P.W.D.

26 MAR 77

Ms. 2223

N. 6683

From

The District Engineer
Presidency

To
The Chief Engineer
Buildings & Roads

Dated 23rd March
Recd 3 March 1877

Encl. 2. +
Groyne along the South
of Kapier Bridge—

Submits a plan
& estimate of Rs. 6600 for
Constructing—

N. 91-

No. 6773.

From,

The District Engineer,
Presidency.

To,

The Chief Engineer,
Buildings and Roads.

Sir,

Adverting to Memo. No. 592 of 7 March 1877,
I have the honor to submit an estimate
amounting to Rs. 1,700 for cutting the Coorn
bar, and keeping it open during eight
consecutive flood (day) tides. The increase of
 $1\frac{1}{2}$ pies per cubic yard in the rate for
each consecutive cutting is on account of
the extra lift and lead created by throwing
up 1,200 cubic yards of sand each time.

I have the honor to be

Sir,

Your most obedient servant

M. P. M. Major P. M.

District Engineer
Presidency

To S. H. George.

28 March 1877.

Recd. 4

Buildings & Roads.

P.W.D.

29 MAR 77

3337

From,

The District Engineer,
Presidency.

No: 6773.

Dated 28 March 1877.

No: of Enclosures, one.

Coom Bar, Madras.

Submits Estimate
of Rs 1700 for cutting
the —

L. & Co April 77 J. B. L. 91

Memorandum

The rates charged for simply removing sand appear high, and the District Engineer explains that such is due to the great distance to which the spoil has to be carried. If the Commissioner of Police wants work for Famine relief Coolies, I think this is a work that he might very profitably undertake.

2. An estimate for extending the groyne south of the opening so as to protect it from the heavily sand charged waves from the south is also submitted; there is no doubt such extension of the groyne would reduce silting and when once a good fresh comes in, the River, will tend to keep the bar open for a much longer period than it usually remains so; and now the South Indian line of Railway is open to the beach, the cost of the

No. 1145 Public Works Department.
 PROCEEDINGS OF THE MADRAS GOVERNMENT.
 UNDER date the *4th* April 1877
 Read the following:—

From
The Dist. Engr. Presidency (H. E. No. 6683 of 23rd March/77)
— do — do — (— " 6773 — " 28th — " —)
Mon. by Mr. Chief Engr. } (— " 31st — " —)
Br. R. Branch. P.W. D. }

His Grace the Governor, in Council while not approving of the lengthening of the Grey's South of the Napier Bridge at an estimated cost of Rs 6,600 sanctions the estimate of Rs 1,700 for opening the Caumbar during eight consecutive diurnal ~~hours~~ ^{Spring}

tides, the rates entered
in the estimate for the ex-
cavation and removal of
mere sand are very high
and His Grace considers
might be reduced by
throwing much of the spoil
into the sea north of the
cutting, and thus diminish
the length of lead and the
height it would otherwise
have to be carried.

2. Funds will be
provided from the Provincial
Reserve of 1877-78.

WKS
4.4.77

The above sanction has
been registered as Provincial
No. 216 of 1877-78.

To The Secy Engr.
Presidency
MS Ds 10-4.4.77

WKS

333792
323331
Govt. of 1877
PUBLIC WORKS.

To The *Residency*

Dated

Issued

Recd.

Encl.

Taken again in the 11/4/77 reference 10/4/77 11-12/77
G. April 1877, No. 1145
Nos. 91-92
returned 9-12/77

Coom Bar The estimate
of Rs 1700 for opening the
— during eight conse-
cutive diurnal flood
tides, sanctioned in the
Comptroller's

Contd. in Page 4

1/10/77