

(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.	517 (W)	Press ~~Mis.~~
Dated	16-2-	1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th February 1877. No. 517.*

Read the following papers :—

No. 386. From Major H. M. VIBART, R.E., Officiating District Engineer, Presidency, to Major-General G. W. WALKER, R.E., Chief Engineer and Secretary to Government, Public Works Department, dated Fort St. George, 24th January 1877, No. 5,477.

WITH reference to G.O., No. 6, dated 3rd January 1877, I have the honor to

One Plan.

„ Estimate.

„ Specification.

submit for sanction a plan, specification

report, and an estimate, amounting to

Rupees 15,850, for a temporary pier

intended to facilitate the landing of grain

from ships in the roadstead, which have been prepared in communication with the Master Attendant, and approved of by that officer.

No. 386-A. From Major H. M. VIBART, R.E., Officiating District Engineer, Presidency, to Colonel W. T. F. FAREWELL, Under Secretary to Government, Public Works Department, dated Fort St. George, 27th January 1877, No. 5,546.

WITH reference to your Memorandum No. 94-T, dated 26th January 1877, I

One Plan.

„ Estimate.

„ Specification.

have the honor to resubmit the plan and

estimate, amounting to Rupees 15,850, for

a temporary jetty, together with specifica-

tion report which has been now duly

corrected and revised.

No. 386-B.

Temporary Jetty.

It will be seen from the original draft of G.O., No. 6, of 3rd January, that that order emanated direct from Government acting in direct communication with the Master Attendant, without the intervention of the Secretary. The Chief Engineer suggested to Captain Taylor, in Council, that he should put his views into writing, which he declined. On expressing his disbelief in the stability of a pier to be constructed as Captain Taylor verbally described, the Chief Engineer was told to recommend what would stand. This he said he could not carry out for want of materials and appliances within the limited time that was necessary for relief of the existing pressure. Captain Taylor's ideas were therefore ordered to be carried into effect by Major Vibart. Under these circumstances the papers need only go up for orders without any Chief Engineer's Report, which would simply embarrass Government in the action they have determined on taking.

2. Both from what Captain Taylor stated verbally, and from the entries of buoys, anchors, moorings, &c., in the estimate, but of which no mention is made in the specification, some method of mooring the pier on both sides is reckoned on by him to make up for the evidently insufficient depth to which it is proposed that the pile shall be driven.

(Signed) G. W. WALKER, Major-General, R.E.

6th February 1877.

Proceedings of the Madras Government, Public Works Department,
16th February 1877. No. 517.

No. 387.

ORDER THEREON, 16th February 1877, No. 517.

CIVIL WORKS, No. 20.

(a) Heads of Service.—Special
Fund.—Port.
Class.—Original Works.
Main-head.—(3) Miscellaneous Public Improvement.
Sub-head.—B. Aids to Marine Navigation.
Section.—i. Harbours.
Name of Work.—Constructing a temporary jetty at
Madras.
Amount.—Rupees 15,850.
To be carried out by the Public Works Department.

THE plan and estimate, amounting
to Rupees 15,850, are sanctioned for
immediate execution from Port Funds,
which the Marine Department will be
requested to provide under the orders
in that department, No. 23, dated 12th
January 1877.

2. This sanction has been registered
as Special No. 61-W of 1876-77.

(True Extract.)

(Signed) W. FAREWELL, Colonel,
Acting Joint Secretary to Government.

(a) Heads of Service—*Special*
Fund. *Port*
Class. *Original Works*
Main-head. *(3) Miscellaneous Public Improvement*
Sub-head. *B. Aids to Marine Navigation*
Section. *i. Harbours*
Name of Work. *Constructing a temporary jetty
at Negapatam Madras.*

Amount. *Rs. 15,850*

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

Print in the margin of No. 517 of 16-2-77—

From the District Engineer Presidency
No. 5546 of 27th January 1877.

FOR ORDERS. -----

Warrant to Colonel.
Actg Joint Secy to Govt. M. B.

I would request
a sanction. It
is an experiment
to make temporary
repairs - M

PORT ST. GEORGE. 15TH. FEBY. 1877.

IT WOULD APPEAR FROM G.O. NO. 143 DATED 13TH. JANY. 77,
THAT THE CHARGES FOR THE WORK REFERRED TO SHOULD BE DEBIT-
ED TO GENERAL PORT FUNDS. THE NECESSARY APPROPRIATION OF
FUNDS SHOULD THEREFORE BE SANCTIONED FROM PORT AND NOT
FROM PROVINCIAL FUNDS.

2. AS THIS OFFICE POSSESSES NO INFORMATION AS REGARDS
THE BALANCE AVAILABLE FOR APPROPRIATION FROM THE GENERAL
PORT FUND, THE MARINE DEPARTMENT SHOULD BE ADDRESSED ON
THE SUBJECT. JUDGING HOWEVER FROM THE PRESENT PROGRESS OF
THE WORK, THE WHOLE OF THE FUNDS WILL NOT PROBABLY BE RE-
QUIRED THIS YEAR.

Lowry-Jordan

AMINER, P. W. ACCOUNTS.

*By order of the
Commissioner of the
Marine Department
1877*

Handwritten notes in the right margin, including the word "vintage" and other illegible cursive text.

FOR ORDERS.

to the C. No 1402
urgent

To C.

Please advise as
to funds for this work
after making the appor-
-priations detailed in
L.O. No 441 dated 7th July 1877
herewith, the residue
at disposal of Port does
not exceed the following
Revenue £ 826
Stock balances 5834
Total 6660

13th July
W. H. W.

Head of Service - Provincial
Fund -

Class - Original works
Main Head - Miscellaneous Public Improvements
Sub Head - Aid to Marine Navigation
Name of Work - Making a temporary jetty
between the Light House and the Pier. Called for in
letter of 4th January 1877 from the Marine & Dockyard Office
Amount £ 15,850
To be carried out

Number Quantity	Description of Work	Rate	Per	Amount
404	Casuarina piles not less than 6 inch in diameter and average length of 24 feet including all charges	6	"	2424
1002	6 ft of oak wrought and put for cross support to piles	3	1	3068 10
8000	8000 ft of mango planking 3" in thickness for platform includ- ing spikes fixing etc	10	ft	5000
10140	10140 lbs of 5 inch round iron for tie rods wrought and put up	3	lbs	1901 4
800	800 feet of hand rails made of post and rope	1	ft	50
	Making up the approaches	30	"	50
	Altering a crane into a pile driving machine	200	"	200
Carried over				12692 10

Number Quantity	Description of Works	Rate Per			Amount	
		Rs	As	P	Rs	As
	Brought Over				12698	14
2	Lighters	700		6	1400	
	Fittings for two Lighters	500			500	
	Cost of fitting and putting in position Buoys, Anchors, Mooring and Lighters	500			500	
	Sheddy charges				766	2
	Total Rupees				15850	

For St George
11 January 1877

A. N. S. Supervisor

In Charge of Northern Range

Accountant General

Offg. District Engineer
Presidency

M. S. S. S.

23 January 1877

For St George
C. Comp. 23/1/77

Specifications to accompany a Plan & Estimate for constructing a Jetty 400 feet long between the Madras Light House and the Pier.

Amount of Estimate Rs. 15850.

The piles of this Jetty are to be of Casuarina not less than 6 inches in diameter. About 8 feet of the length of each pile is to be driven into the sand, and the heads of the piles are to be 10 ft above High Water mark. They are to be 5 feet apart in cross and longitudinal section and will be secured across on top by teak beams, and longitudinally by three inch mango plank brigs. There will be iron tie rods across, and longitudinally as shown in the plan.

It is proposed to drive the piles with a Ram weighing 500 lbs, its greatest fall being 10 feet. One of the Pier Cranes is

is to be connected into a pile
driving machine.

The dimensions & will
be furnished in detail in the
plan and estimate.

Henry M. White Major R.E.
Offg District Engineer

27 January 1877

[Faint handwritten notes in the left margin, mostly illegible.]

[Faint handwritten notes in the right margin of the left page, mostly illegible.]

P.W.D.
27 JAN 77
No. 812

No. 3477

From

The Offg District Engineer,
Presidency.

The Chief Engineer, and
Secretary to Government,
P.W.D.

Sir,

With reference to G.O. No. 6 dated 3rd
January 1877 I have the honor to sub-
mit for sanction a plan, specification &
report and an estimate amounting to
Rs 15,850 for a temporary pier intended
to facilitate the landing of grain from
ships in the Roadstead: which have
been prepared in communication with
the Master Attendant, and approved of
by that Officer.

I have the honor to be

Sir,

Your most obedient servant

Henry M. White Major R.E.

Offg District Engineer,
Presidency.

Port St George
24 Jan'y 1877

Recd. 27

P.W.D.
25 JAN 77
No. 717

C.E. No 94 & 26-1-77

from
The District Engineer
Presidency
to
The Secretary to Govt
+ P.W.D.
dated 24-1-77
Recd 24-1-77
Encl. No 5499 3/4
Submitted for sanction
on 26-1-77. only 1/2
Rs 15,850 for a temporary
jetty for maintenance &
facilitate the landing
of goods & passengers
on the Madras Coast etc etc

No 5346

Recd 13/1/77
1/2
2

From

The Offr District Engr
Presidency

To The Under Secretary to Govt
Mr. Departe

Sir

With reference to your
Memorandum No 94, I dated
26th January 1877, I have the
honor to resubmit the Plan
& Estimate amounting to
Rs. 15,850 for a temporary jetty
together with the Specification
report which has been now
duly corrected & revised.

I have the honor to be
Sir
Yours most obedt Servt

Henry Sturt Major &c

Offr District Engr

Encls
1 Plan
1 Estimate
1 Specification

To His Highness
27 January 1877

Cho 947826-1-77
Cho 602/77

P.W.D.
27 JAN 77
NR 812

80 27 3 1/2
Rec 27 3 1/2
No 3.7 11/11
Recon 3.7 11/11
for temporary
petty duty funds

From
Mr. W. S. Smith
to Mr. W. S. Smith
Butler

N 386-A

Ch 19-2-77

Jan 77

Temporary Setby.

It will be seen from the original
Draft of by. Dis: 6 of 306 primarily that
that order emanated direct from
Government acting in direct commun-
ication with the Master Attendant,
without the intervention of the Secretary.
The Chief Engineer suggested to
Captain Taylor, in Council that
he should put his views into writing,
which he declined. On expressing
his dislike in the stability of his
pier as he constructed as Captain
Taylor verbally described, the Chief
Engineer was told to recommend what
would stand. This he said he
could not care for in respect
of materials and appliances within
the limited time that was necessary
for relief of the existing pressure.

4
Captain Saylor's ideas were
therefore ordered to be carried
into effect by Major Vibart.
Under these circumstances the
papers need only go up for orders
without any Chief Engineer's Report,
which would simply embarrass
Government in the action they have
determined on taking. Indeed
both from what Captain
Saylor stated verbally and from
the entries of Donoy's Anchors
grounded in the submarine, but
of which no mention is made
in the specification, some method
of increasing the bottom both sides
is called on by him to make
up for the evidently insufficient
depth to which it is proposed that

the pile shall be driven.

1 Lt Col. Walker Major Genl. W. B.

6th Feb. 1877

(True Copy.)

W. H. M. Colonel.
Acty Joint Secy. to Govt. W. B.

No 517

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 16 Feb/77

Read the following:—

From

The Dist. Engr. Presidency (P. O. No. 5477 d/24th Jan'y/77)

— do — do — (No. 5546 — 27th —)

Remis. by Genl. Walker Esq. (— 6th Feb'y —)

The Plan and Estimate amounting to Rs 15,850 are sanctioned for immediate execution from Port Funds, which the Marine Department will be requested to provide under the orders in that Department No 23 dated 12th Jan'y.

1877.

D. C. Presidency ✓
Genl. P. W. Aceto. ✓
Marine Dept. ✓

Drp'd 22-2-77

28/1

W. H. S.
16.2.77

This sanction has been registered as Special No 61 W of 1876-77-

No 38613

Can 12-2-77

Ch. 812
717



Govt. of 1877 Madras.

PUBLIC WORKS.

To the N. B. Presidency

Dated

Issued

Recd.

Encl.

G. O., 18th Feb 1877, No. 57

Nos. 386-87

Temporary Piers at Madras

Est. of Rs 15000 for the

sanctioned for immediate

execution from Pub

works

[Handwritten signature]