

- (1) பக்கங்களின் எண்ணிக்கை 30
 (2) புதுக்கித் திருப்பிய நாள் 25.10.90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் le-a

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

(60)

அரசாணை எண். <u>2999-3000</u>	அச்சகம் பலவகை
மு. கோப்புத் தாள் எண்.	
நாள் : <u>10-11-1891</u>	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

15 Sheet

Shs 3 and 10 Sheet

(5)

10TH NOVEMBER 1891, No. 2999 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ-- the following papers :--

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 28th September 1891, No. 1758.

I have the honour to submit, herewith, for the information of Government, comparative statement of expenditure upon the Madras Harbour Works for the quarter ending 30th June 1891.

Transferred to the Public Works Department.

(By Order.)

(Signed) N. S. BRODIE,
Ag. Asst. Secretary.

10th October 1891.

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 26th October 1891, No. 2033.

I have the honour to submit, herewith, for the information of Government, a statement of progress made upon the Madras Harbour Works during the quarter ending 30th September 1891 together with tracing in duplicate.

ENCLOSURE.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a meeting held at the offices of the Board on Friday the 23rd day of October 1891.

12. Read statement from the Board's Engineer of progress made on the Madras Harbour Works during the quarter ending 30th September 1891 and examined tracing.
Resolved that this report be submitted to Government.

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

PROGRESS STATEMENT NO. 22.

MADRAS HARBOUR WORKS.

STATEMENT showing progress during quarter ending 30th September 1891 as shown on accompanying tracing plan No. 21.

STATEMENT SHOWING progress during quarter ending 30 September 1891 as shown on accompanying tracing plan No. 21.

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	NORTH PIER.		SOUTH PIER.		RAILWAY LINES.		Total expenditure during quarter ending September 1891.										
			Rubble base.	Pier head.	Wave-breaker.	Concrete capping.	Base protection.	Rubble base.	Pier head.	Wave-breaker.	Concrete capping.	Base protection.	At works.	At quarters.	Sand line.	Beach improvements.	Palladium quarries outturn.	Concrete block-making.	Protective works.
1	Rubble stone deposited from boats	Tons.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Do. do. from wagons	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Total quantity rubble stone received on works	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Do. blasted chips	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	Concrete blocks set by divers	Number.	..	350	Ordinary superstructure.	..	..	..	109	Pier head commencement.	..	..	..	..	..	7,237½	16,561½	..	5,324½
6	Do. deposited in wavebreaker	..	..	7½	Pier head commencement.	..	..	..	45	Pier head wide section = 38 feet.	..	..	..	..	..	..	..	..	16,561½
7	Do. made for superstructure	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	Do. do. pier head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	Wrought iron cramp fixed in position	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	Total outturn of concrete	C. yds.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	Advance or progress of completed superstructure.	Ry. ft.	..	213½	Ordinary superstructure.	..	..	..	37½	Pier head commencement.	..	..	..	..	..	..	..	..	..
12	Rubble base protected with concrete	..	..	25	Pier head commencement.	..	..	..	12½	Pier head wide section = 38 feet.	..	..	..	..	..	..	..	..	..
13	Metre gauge, 40 lb. per yard laid new	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	Do. do. relaid or renewed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	Do. do. taken up	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Broad gauge, 50 lb. per yard laid	..	..	24	..	..	..	..	12	..	..	..	..	..	..	..	..	..	..
17	Do. do. relaid or renewed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	Do. do. taken up	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	Titan gauge, 75 lb. per yard laid new	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	Do. do. relaid or renewed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	Do. do. taken up	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of work.	Rs.	315	11,044	..	..	218	9,229	197	477	..	..	..	..	..	..	..	..	..

Nil casks of cement received on works during quarter ending September 1891, containing 4,207½ do. issued for do. 11,954½ do. balance in store at end of quarter.

MADRAS,
7th October 1891.

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

Quantity due on indent.—Nil.

10TH NOVEMBER 1891, No. 2999 W., PUBLIC WORKS.

3

Transferred to the Public Works Department.

(Signed) J. F. PRICE,
Chief Secretary.

29th October 1891.

ORDER—dated 10th November 1891, No. 2999 W., Public Works.

The report of progress for the quarter ending 30th September 1891 and statement of expenditure for the previous quarter, as compared with the sanctioned estimate, will be forwarded to the Secretary of State for India together with the plan.

2. A copy of the report and statement of expenditure will also be forwarded for the information of the Government of India.

(Here enter No. 3000 W., dated 10th November 1891.)

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chairman, Harbour Trust Board.
" Marine Department.

Exd. C. A. Munisawmy.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated November, 10th.

Recd.

Encl.

G.O. 10th Nov. 1891, No. 2999 W.

NOVEMBER.

Madras Harbour Works

Ordered that the progress report of the —
for the quarter ending 30th September
1891 and statement of expenditure for the
previous quarter, as compared with the sanc-
tioned estimate, be forwarded to the Secre-
tary of State for India and a copy of the
same to the Government of India for inform-
ation.

MADRAS HARBOUR WORKS.

Comparison of Expenditure to date with Sanctioned Estimate for the month of *Quarter ending 30th June 1891.*

Sub-head of Work.	AS PER ESTIMATE.			AS EXECUTED.			Cost.			Arrears not paid.			Grand Total as compared with Estimate.	REMARKS.
	Quantity.	Rate.	Per.	Quantity.	Rate.	Cost.	During the month.		Up to date.	Up to date.				
							Rs.	A.P.		Rs.	A.P.	Rs.		
1	2	3	4	5	6	7	8	9	10	11	12	13		
AS PER OLD ESTIMATE.														
1 Works	5,582	1 8 0	Ton	8,297	2 8 0	2,880	5,582	1 8 0	8,297	2 8 0	2,880	5,582	1 8 0	
2 Establishment	1,82,260	2 0 0	"	3,61,520	2 8 0	6,37,641	1,82,260	2 0 0	3,61,520	2 8 0	6,37,641	1,82,260	2 0 0	
3 Tools and Plant	14,750	1 12 0	"	25,812	1 12 0	70,849	14,750	1 12 0	25,812	1 12 0	70,849	14,750	1 12 0	
Total	58,116	9 0 0	C. yd.	5,23,044	2 8 0	15,003	58,116	9 0 0	5,23,044	2 8 0	15,003	58,116	9 0 0	
NEW ESTIMATE.														
4 Alteration and extension of block ground	2,062	2 0 0	"	4,124	2 0 0	8,248	2,062	2 0 0	4,124	2 0 0	8,248	2,062	2 0 0	
5 North Pier.	85,245	2 8 0	"	88,112	2 8 0	8,904	85,245	2 8 0	88,112	2 8 0	8,904	85,245	2 8 0	
6 Rubble Stone in Foreshore and Base.	20,809	3 0 0	"	62,427	3 0 0	5,000	20,809	3 0 0	62,427	3 0 0	5,000	20,809	3 0 0	
7 Ordinary deposited from break-water	500	10 0 0	"	5,000	10 0 0	2,880	500	10 0 0	5,000	10 0 0	2,880	500	10 0 0	
8 Do. from boats	288	10 0 0	"	2,880	10 0 0	6,37,641	288	10 0 0	2,880	10 0 0	6,37,641	288	10 0 0	
9 Large ordinary deposited under wave breaker from break-water	70,849	1 0 0	"	70,849	1 0 0	15,003	70,849	1 0 0	70,849	1 0 0	15,003	70,849	1 0 0	
10 Concrete blocks for buildings	1,667	9 0 0	"	15,003	9 0 0	8,904	1,667	9 0 0	15,003	9 0 0	8,904	1,667	9 0 0	
11 Setting blocks at commencement of new work	1,667	4 0 0	"	6,668	4 0 0	3,300	1,667	4 0 0	6,668	4 0 0	3,300	1,667	4 0 0	
12 Do. from 2,500 to 3,600 feet	742	12 0 0	"	8,904	12 0 0	2,880	742	12 0 0	8,904	12 0 0	2,880	742	12 0 0	
13 Do. at Pier head	830	10 0 0	"	8,300	10 0 0	2,880	830	10 0 0	8,300	10 0 0	2,880	830	10 0 0	
14 Concrete in mass for filling	22,400	10 0 0	"	2,24,000	10 0 0	2,880	22,400	10 0 0	2,24,000	10 0 0	2,880	22,400	10 0 0	
15 Wave Breaker.														
16 Built blocks	288	10 0 0	"	2,880	10 0 0	6,37,641	288	10 0 0	2,880	10 0 0	6,37,641	288	10 0 0	
17 Ordinary concrete blocks	70,849	1 0 0	"	70,849	1 0 0	15,003	70,849	1 0 0	70,849	1 0 0	15,003	70,849	1 0 0	
18 Depositing do.	1,667	9 0 0	"	15,003	9 0 0	8,904	1,667	9 0 0	15,003	9 0 0	8,904	1,667	9 0 0	
19 Apron blocks	1,667	4 0 0	"	6,668	4 0 0	3,300	1,667	4 0 0	6,668	4 0 0	3,300	1,667	4 0 0	
20 Setting do.	742	12 0 0	"	8,904	12 0 0	2,880	742	12 0 0	8,904	12 0 0	2,880	742	12 0 0	
21 Do. from 2,500 to 3,700 feet	830	10 0 0	"	8,300	10 0 0	2,880	830	10 0 0	8,300	10 0 0	2,880	830	10 0 0	
22 Do. at Pier head	22,400	10 0 0	"	2,24,000	10 0 0	2,880	22,400	10 0 0	2,24,000	10 0 0	2,880	22,400	10 0 0	
23 Concrete in mass for filling														
24 Total for North Pier				20,50,581										
25 South Pier.														
26 Rubble Stone in Foreshore and Base.														
27 Ordinary deposited from break-water	675	1 8 0	Ton	1,013	1 8 0	3,39,034	675	1 8 0	1,013	1 8 0	3,39,034	675	1 8 0	
28 Do. from boats	1,013	2 0 0	"	2,026	2 0 0	2,026	1,013	2 0 0	2,026	2 0 0	2,026	1,013	2 0 0	
29 Large, deposited from break-water	15,038	1 12 0	"	2,026	1 12 0	4,05,377	15,038	1 12 0	2,026	1 12 0	4,05,377	15,038	1 12 0	
30 Concrete blocks for building	2,032	9 0 0	"	18,205	9 0 0	4,124	2,032	9 0 0	18,205	9 0 0	4,124	2,032	9 0 0	
31 Setting blocks at commencement	2,032	2 0 0	"	73,205	2 0 0	62,427	2,032	2 0 0	73,205	2 0 0	62,427	2,032	2 0 0	
32 Do. from 2,500 to 3,700 feet	29,282	2 8 0	"	82,427	2 8 0	5,000	29,282	2 8 0	82,427	2 8 0	5,000	29,282	2 8 0	
33 Do. at Pier head	20,809	3 0 0	"	62,427	3 0 0	5,000	20,809	3 0 0	62,427	3 0 0	5,000	20,809	3 0 0	
34 Concrete in mass for filling	500	10 0 0	"	5,000	10 0 0	2,880	500	10 0 0	5,000	10 0 0	2,880	500	10 0 0	
35 Wave Breaker.														
36 Concrete blocks	57,066	9 0 0	"	5,13,594	9 0 0	5,13,594	57,066	9 0 0	5,13,594	9 0 0	5,13,594	57,066	9 0 0	
37 Depositing blocks	57,066	1 0 0	"	5,70,666	1 0 0	5,70,666	57,066	1 0 0	5,70,666	1 0 0	5,70,666	57,066	1 0 0	
38 Setting do.	1,667	9 0 0	"	15,003	9 0 0	8,904	1,667	9 0 0	15,003	9 0 0	8,904	1,667	9 0 0	
39 Concrete in bags	742	12 0 0	"	8,904	12 0 0	2,880	742	12 0 0	8,904	12 0 0	2,880	742	12 0 0	
40 Cramps	275	10 0 0	"	2,750	10 0 0	1,02,000	275	10 0 0	2,750	10 0 0	1,02,000	275	10 0 0	
41 Concrete capping	19,200	10 0 0	"	1,92,000	10 0 0	17,76,482	19,200	10 0 0	1,92,000	10 0 0	17,76,482	19,200	10 0 0	
42 Total for South Pier				17,76,482										
43 Tools and Plant				3,19,539										
44 Contingencies at 2 1/2 per cent.				3,19,539										
45 Lighting entrances				1,03,865										
46 Establishment				20,000										
47 Materials at site (concrete blocks in yards)				3,11,594										
48 Advances to work-people				3,11,594										
49 Other stores				3,11,594										
50 Total of Estimate and value of work done				45,90,051										
51 Deduct Probable recoveries due to sales of Tools and Plant.				45,90,051										
52 Total				45,90,051										
53 Deduct Arrears due														
54 Total Outlay to date by books														
55 Deduct Total Outlay to end of last year														
56 Total Value of Stock														
57 Add Net Debits to Suspense Heads during the year														
58 Net Debits of the year														
59 Grant for 1891-92, Rupees														

12th September 1891

MADRAS.

For the Engineer
Accountant
Chief Clerk Office

Indicates Rs. 14,853-11-2 Madras Note Collection
 towards H. T. B. District Ambs.

Adelberg
 Engineer, Harbour Trust Board.

① Cutting on North up to 21st March 1891
 ② during the current year from 1st March to 31st March 1891
 ③ for cutting up to 31st March 1891

10TH NOVEMBER 1891, No. ¹⁵₂₉₉₉ W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

In continuation of our despatch No. ¹²₂₂₃₁ W., dated 2nd September 1891, we have the honour to forward a copy of our Proceedings, No. 2999 W., dated 10th November 1891, embodying a report of progress of the Madras Harbour Works for the quarter ending 30th September 1891 and a statement of expenditure for the previous quarter as compared with the sanctioned estimate.

2. A plan showing the state of the works at the end of the quarter ending 30th September 1891 is also forwarded.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants.

(Signed) WENLOCK.
(") H. E. STOKES.
(") J. H. GARSTIN.

FORT ST. GEORGE,
10th November 1891.

Exd. C. A. Munisawmy.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honorable
the Secretary of State for
India.

No. ¹⁰/_{2999 W.} dated 10th Nov. 1891.

Forwarding copy of Proceedings embodying
the progress report of the Madras Harbour for
the quarter ending 30th September 1891 and
a statement of expenditure for the previous
quarter as compared with the sanctioned estimate.

EXTRACT of Proceedings of the TRUSTEES OF THE HARBOUR
OF MADRAS, at a Meeting held at the Offices of the
Board on Friday the 25th day
of September 1891.

*Enclosed
have been
sent*

*Examined comparative statement
of expenditure upon the Madras Harbour
works for the quarter ending 30th June 1891.*

*Recorded and resolved, - That
this statement be submitted to Govern-
ment.*

(True Extract)



C. P. Smith

Secretary

Harbour Trust Board

U.S.

Harbour Trust Board Office,
MADRAS, 28th September 1891.

No. 1758

1P

From

W. Austin Esquire, C.S.,

CHAIRMAN, HARBOUR TRUST BOARD,
MADRAS.

To

The Honorable J. F. Price, C.S.,

CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

Sir,
I have the honor to submit,
herewith, for the information of
Government comparative statement
of expenditure upon the Madras
Harbour Works for the quarter ending
30th June 1891.

I have the honor to be

Sir

Yours obedt. Servant

W. Austin

Chairman

Harbour Trust Board

P. sec

W. A.

S. 1
11/10/83/91

EXTRACT of Proceedings of the TRUSTEES OF THE HARBOUR

OF MADRAS, at a Meeting held at the Offices of the

Board on Friday the 23rd day

of October 1891.

x
12

Read statement from
the Board's Engineer of progress made
on the Madras Harbour Works during
the quarter ending 30th September 1891
and examined tracing.

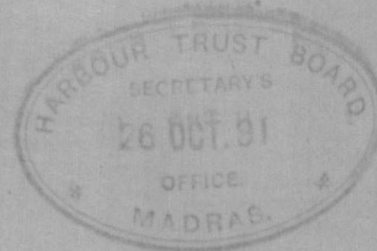
Resolved: that this
Report be submitted to Government.

True & correct

C. P. P. P.

Secretary

Harbour Trust Board



W. L.

Harbour Trust Board Office,
MADRAS, 26th October 1891.

No. 2033

3 P

From

W. A. Austin Esq. Esq.

CHAIRMAN, HARBOUR TRUST BOARD,
MADRAS.

To

The Honorable J. F. P. Esq.

CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

Sir. I have the honor to
submit, herewith, for the
information of Government,
a statement of progress made
upon the Madras Harbour
works during the quarter ending
30th September 1891 together with
tracing in duplicate

I have the honor to be
Sir

Yours faithfully
W. A. Austin

Chairman
Harbour Trust Board

P. see

A.S.L.

MARINE DEPARTMENT.

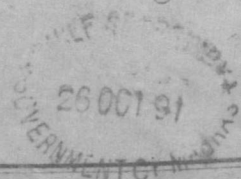
FROM
THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

TO
THE CHIEF SECRETARY TO GOVERNMENT,
Marine Department

DATED 26 October 1891.
RECEIVED 26

ENCLOSURE 8(3)

No. 2033



SUBJECT.

Submitting for the
information of Govt
statement of Progress
made on the Madras
Harbour Works during
the quarter ending
30 September 1891

P. W. DEPT. NO. 1145N

Transferred to
the Public Works
Department.

Edmund Hill
Chief Secy.

7.10.13.
27/10

Enclosure (3)
Recd. 30/10/91

No. 2331W of 2-9-91

" 12 " 2-9-91.
2331W

No. 2999 W dated 10th November 1891
PUBLIC WORKS DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Letter from the Chairman, M. H. T. Board. N.E. No. 1758
of 28th Sept. 1891.
Endd. thereon in the Marine Dept. of 10th Oct. 1891
Letter from the Chairman, M. H. T. Board N.E. No. 2033
dated 26th Oct. 1891
Endd. thereon in the Marine Dept. of 29th October 1891.

The report of progress
for the quarter ending
30th September 1891, and
statement of expenditure
for the previous quarter
as compared with the
sanctioned estimate, will
be forwarded to the Secy.
of State for India, together
with the plan.

2. A copy of the report
and statement of expenditure
will also be forwarded
for the information
of

of the Govt. of India

H.E. No. 3000 W of 10th November 1891

Copy of the above
forwarded to the
Govt. of India

H.E. No. 15 W of 10-11-91

To The Rt. Honble the Secy of State
for India

My Lord,

In continuation
of our despatch No. 12/2331 W
dated 2nd September 1891
we have the honour
to forward a copy of
our Proceedings No. 2999 W
dated 10th November 1891, em-
bodying a report of progress
of the Madras Harbours
Works for the quarter
ending 30 September 1891
and a statement of
expenditure for the previous
quarter

To The Chairman, M. H. S. Board
Marine Dept.

Recd. 10/11/91
at the office of the
Secretary to the
Marine Dept. 11/11

quarter as compared
with the sanctioned estimate.

2. A plan showing the
state of the works at
the end of the quarter
ending 30 September 1891
is also forwarded.

We have etc.

2073
2-11-91

24

Recd. 10/11/91
at the office of the
Secretary to the
Marine Dept. 11/11

10753

11457

Govt. of Madras

PUBLIC WORKS.

10th Nov 1901

Madras Harbour
Works.

Ordered that the progress
report of the — for the quarter
ending 30th September 1901
and statement of expenditure
for the previous quarter as
compared with the
sanctioned estimate be
forwarded to the Secy. of
State for India and a
copy of the same to the Govt.
of India for information.

Forwarding copy of the
progress report of the Madras
Harbour Works for the quarter
ending 30th September 1901
and statement of expenditure for
the previous quarter as com-
pared with the sanctioned
estimate.

Forwarding copy of Proceeding
bodying the progress re-
port of the Madras Harbour for the
quarter ending 30th September 1901
and a statement of expenditure
for the previous quarter as com-
pared with the sanctioned estimate.

15/11

2-30 PM

11/11/01