

- (1) பக்கங்களின் எண்ணிக்கை 34
(2) புதுக்கித் திருப்பிய நாள் 11-10-84
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D துறை

அரசாணை எண்.	1916-17-18	அச்சகம்
மு. கோப்புத் தாள் எண்.		பலவகை
நாள் :	16-7-1890	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

16TH JULY 1890, No. 1916 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From G. McWATTERS, Esq., M.A., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 24th June 1890, No. 2393.

I have the honor to submit herewith, for the information of Government, copy of a letter from the Board's Engineer, together with a statement showing the progress made upon the Madras Harbour Works during the month of May 1890.

2. I also forward comparative statement of expenditure for the quarter ending 31st March 1890.

ENCLOSURES.

From A. L. POGSON, Esq., Engineer, Harbour Trust Board, to the Chairman, Harbour Trust Board, dated Madras, 16th June 1890, No. 314.

I have the honor to forward herewith the statement of progress made on these works during the month of May 1890. No plan accompanies this statement as there was nothing to record during the month.

MADRAS HARBOUR WORKS.
STATEMENT showing progress during May 1890.

Note.—The figures in <i>black type</i> denote for comparison progress and quantity of work done in May 1889.																							
No. of Item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier.						South Pier.						R								
			Rubble base.	Superstructure.	Wavebreaker.	Concrete capping.	Base protection.	Rubble base.	Superstructure.	Wavebreaker.	Concrete capping.	Base protection.											
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R						
1	Rubble stone deposited from boats	Tons.	2,803½																				
2	Do. do. from wagons	"																					
3	Total quantity rubble stone received on works	"																					
4	Do. blasted chips	"																					
5	Do. large stones	"																					
6	Concrete blocks, set by divers	Number.																					
7	Do. deposited in wavebreaker	"																					
8	Do. made for superstructure	"																					
9	Do. do. wavebreaker	"																					
10	Wrought-iron cramp fixed in position	"																					
11	Total outturn of concrete	C. yds.																					
12	Advance or progress of completed superstructure	Rg. ft.																					
13	Rubble base protected with concrete	"																					
14	Metre gauge, 40 lb. per yard laid new	"																					
15	Do. do. relaid or renewed	"																					
16	Do. do. taken up	"																					
17	Broad gauge, 50 lb. per yard laid new	"																					
18	Do. do. relaid or renewed	"																					
19	Do. do. taken up	"																					
20	Titan gauge, 75 lb. per yard laid new	"																					
21	Do. do. relaid or renewed	"																					
22	Do. do. taken up	"																					
23	Do. do. do.	"																					
24	Approximate expenditure under sub-heads of work	Rs.	1,822	2,337	240			1,097	2,354	825			1,797	17,568	38,511		6,423				72,974		

7,890 casks of cement received on works during May 1890 containing 18,813½ tons. Balance in store at end of May 1890 3,369 tons 10 casks. Dated 20th September 1889 743 15 2 21.

Column A.—Item No. 1. Advantage was taken of the exceptionally fair weather during May to advance the deposit of stone required in the bases both at the north and south piers for the coming progress plan does not accompany this statement as there is nothing to record in May.

Column B. and G.—The risk of cyclones and injury to the cranes and plant, &c., during May prevents any attempt being made at progress to the superstructure or other work at sea above water level. A progress plan does not accompany this statement as there is nothing to record in May.

Column J.—Item Nos. 11 and 13.—210 running feet of the south pier rubble base was paved with concrete during May at a period when the sea was perfectly calm. This work is making very good progress, and it is hoped that by the close of the year all arrears will be brought up to date and the protection advance with the progressing superstructure as it was intended to in the first instance.

Do. L.—Items Nos. 8, 9 and 11.—129 concrete blocks were made in 16 working days, the remaining 15 days in the month were taken up in repairing and renewing the machinery for crushing the stone, &c.

Do. Q.—Item No. 2.—652 tons of large stone only could be deposited in the revetment at Cassimode owing to there being no locomotive available for haulage which had to be done by hand until the arrival of the new locomotive from the Southern Mahratta Railway.

MADRAS,
11th June 1890.
(Signed) A. L. POGSON,
Engineer, Harbour Trust Board.

Transferred to the Public Works Department.

Ootacamund,
28th June 1890.

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

ORDER—dated 16th July 1890, No. 1916 W., Public Works.

Recorded.

2. The comparative statement of expenditure will be forwarded to the Secretary of State.

(Here enter No. 1917 W., dated 16th July 1890.)

(True Extract.)

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

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

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated July, 16th.

Recd.

Encl.

G.O., 16th July 1890, No. 1916 W.

JULY.

Madras Harbour Works

Progress report of the — for May 1890, recorded, and the comparative statement of expenditure for the quarter ending 31st March 1890, ordered to be forwarded to the Secretary of State.

3
1916
16TH JULY 1890, No. 1917 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

LIEUT.-COLONEL R. R. E. DRAKE-BROCKMAN, R.E.,
*Acting Joint Secretary to the Government of Madras,
Public Works Department,*

To

THE UNDER-SECRETARY OF STATE FOR INDIA,
INDIA OFFICE,
LONDON.

SIR,

With reference to para. 3 of the despatch from this Government to the Right Honorable the Secretary of State for India, No. ⁸/₁₅₂₈ W., dated 30th May 1890, I am directed to forward a statement comparing the expenditure on the Madras Harbour Works with the sanctioned estimate for the quarter ending 31st March 1890.

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

Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

OOTACAMUND,
16th July 1890.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated July, 16th.

Recd.

Encl.

16th July 1890, No. 1917 W.

JULY.

Madras Harbour Works

Forwarding a comparative statement of
expenditure on the Madras Harbour Works
for quarter ending 31st March 1890.

16TH JULY 1890, No. 1917 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

LIEUT.-COLONEL R. R. E. DRAKE-BROCKMAN, R.E.,
*Acting Joint Secretary to the Government of Madras,
Public Works Department,*

To

THE UNDER-SECRETARY OF STATE FOR INDIA,
INDIA OFFICE,
LONDON.

SIR,

With reference to para. 3 of the despatch from this Government to the Right
Honorable the Secretary of State for India, No. ⁸/₁₅₂₆ W, dated 30th May 1890, I am
directed to forward a statement comparing the expenditure on the Madras Harbour
Works with the sanctioned estimate for the quarter ending 31st March 1890.

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

Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

OOTACAMUND,
16th July 1890.

Exd. J. Moses.
Spare Copies

6
1916

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of Madras.
PUBLIC WORKS.

Dated July, 1890.

Recd.

Encl.

16th July 1890, No. 1917 W.

JULY.

Madras Harbour Works

Forwarding a comparative statement of
expenditure on the Madras Harbour Works
for quarter ending 31st March 1890.

16TH JULY 1890, No. 1917 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

LIEUT.-COLONEL R. R. E. DRAKE-BROCKMAN, R.E.,
Acting Joint Secretary to the Government of Madras,
Public Works Department,

To

THE UNDER-SECRETARY OF STATE FOR INDIA,
INDIA OFFICE,
LONDON.

SIR,

With reference to para. 3 of the despatch from this Government to the Right
Honorable the Secretary of State for India, No. ⁸ 1528 W., dated 30th May 1890, I am
directed to forward a statement comparing the expenditure on the Madras Harbour
Works with the sanctioned estimate for the quarter ending 31st March 1890.

I have the honor to be,
Sir,

Your most obedient servant,

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

OOTACAMUND,
16th July 1890.

ENDORSEMENT—dated 16th July 1890, No. 1918 W., Public Works.

Copy of the above, with copy of the statement, forwarded to the Government of
India, Public Works Department.

(By Order.)

Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Exd. J Moses.
Spare Copies

8
1916

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated July, 16th.

Recd.

Encl.

16th July 1890, Nos. 1917 W.,
1918 W.

JULY.

Madras Harbour Works

Forwarding copy of Proceedings recording the progress of the — and a copy of the comparative statement of expenditure for quarter ending 31st March 1890.

60589
Harbour Trust Board Office, 9/1916

MADRAS, 24th June 1890.

No. 2393

FROM

Geo: McWatters Esquire M.A. 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 copy of a letter from the Board's Engineer together with a — statement showing the progress made upon the Madras Harbour Works during the month of May 1890.

2. I also forward comparative — statement of expenditure for the quarter ending 31st March 1890.

I have the honor to be

Sir

Your obed^t. Servant

Geo: McWatters

Chairman

Harbour Trust Board

Recd

No. 314

10
1916

From

The Engineer

Harbortrust Board

Madras

To

The Chairman

Harbortrust Board

Madras 16. June 1890.

Sir,

I have the honor to forward
herewith the Statement of Progress
made on these works during the month
of May 1890. No plan accompanies this
Statement as there was nothing to record
during the month.

I have &c.

(Sd.) A. Lee Peggson

Engineer, Harbortrust Board

(True copy)

C. J. Vincent

Secretary

Harbortrust Board

W. E.

11
1916

589
MARINE DEPARTMENT.

FROM

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

TO

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

DATED

24

June

1889

RECEIVED

25

ENCLOSURE

S. (4)

No. 2393

25 JUN 90

SUBJECT.

Submitting for the information of Government copy of Engineer's No 314 of 16 June 1890 with enclosure and comparative statement of expenditure for the quarter ending 31st March 1890.

E.O. 1677 W. 17.6.90
1525 W. 30.5.90
1525 W. 30.5.90
1047 W. 2.6.90
700 W. 20.3.90

Transferred

MADRAS ABOUT WORKS.

Column.	A	Item No. 1	Advantage was taken of the exceptionally favorable
"	F	" 1	both at the North and South Poles for
"	"	"	the use of byelones and in going to the byelones
"	B and C	"	- structure or other work at sea above water level
"	"	"	nothing to record in May
"	J	" 1913- 210 R.F.	put of the South Pole Rubble House
"	"	"	calm. This work is making very good progress
"	"	"	to date and the probability, advances with the
"	L	" 2, 9, 11-	129 barrels of blocks were made in to
"	"	"	using the Machine
"	"	" 2-	652 tons of Large Stone only could
"	Q	"	little for haulage which had
"	"	"	Katavastka Railway

earnings making season.
1922. During May parents say after not being made at progress to the
progress place does not account for this statement as there is

earth Concrete during May at a period when the sea was perfectly
calm. It is hoped that by the close of the year all wrecks will be brought to
the surface. Superstition as it was intended to in the first instance
be a day, the remaining 10 days in the month were taken up in prepa-
ring the stone for
use in the Revolver at Kassarode owing to there being no
more from the South
done by hand until the arrival of the new
C. B. P. Stone

MADRAS. II. June 890

No. 1916 W of 16 July 1890

B. & P.
Public Works Department.
15/10

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Letter from the Chairman M.H.B. (H.E. No. 1393 of 24. vi. 90)
Endorsement thereon in Marine Dept (of 28. vi. 90)

Recorded.

2. The comparative
statement of expenditure
will be forwarded to
the Secretary of State
(H.E. No. 1917 W of 16 July 1890)

20
1 The Under Secretary of
State for India,
India office. ^{info}
London.

Chairman M.H.B.
Marine Dept
Sir, With reference to
para 3 of the despatch

from this Government
to the Right Honorable
the Secretary of State
for India No. $\frac{8}{1526W}$ dated
30th May 1890, I am
directed to forward
a statement comparing
the expenditure on the
Madras Harbour Works
with the sanctioned
estimate, for the
quarter ending 31st
March 1890.

H.S. No. 1918 W 2/16th July 1890.

Copy of the above, with
copy of the statement, forwarded
to the Port. of India P.W. Dept.

Queens
10-7-90

Cu
Oct 22-VI.
Hm 11-VII
m 24-VII

17
Caw. 6232 $\frac{15}{1916}$
Copy to India
I have not been
made.
14
Printed copy can
be had in
14-7-90

6232

Gobt. of Madras.

PUBLIC WORKS.

Madras

Dated

Recd.

Encl.

20. 11/18/90 19/18-17-18/90

Madras Harbour Works.

Progress Report of
the — for May 1890
Recorded & the Comptroller
Statement of expenditure
for the Q. E. 31-3-90
to be sent to the Secy of
State.

19/16 W.	$\frac{50}{7}$ c. per
19/17 W.	$\frac{12}{2}$ c. per
19/18 W. 30	$\frac{20}{2}$ c. per
collation of per 20 -	

For a comparative
Statement of expenditure
in the M. H. Works
for Q. E. 31-3-90.

M. H. Works.

For copy of Progs. according
the progress of the — & a
copy of the comparative statement
of expenditure for Q. E. 31-3-90.

20/11/90