(1) பக்கங்களின் எண்ணிக்கை —16
(2) புதுக்கித் திருப்பிய நாள்
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D துறை

110

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 427

அச்சகம்
பலவகை

நாள் : 16-2-1891 198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

8 Sheets

7+1

ஆவண, கா-1—18,006—15-6-87.

16th February 1891, No. 427 W., Public Works.

427/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From W. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 27th January 1891, No. 1331.

I have the honor to submit herewith, for the information of Government, the statement of progress made upon the Madras Harbour Works during the quarter ending 31st December 1890, together with plan in duplicate.

PROGRESS STATEMENT No. 12.

Enclosures.

MADRAS HARBOUR WORKS.

Statement showing progress during quarter ending 31st December 1890, as shown on accompanying Lithographed Plan No. 11.

No. of item.	Note.—The figures in *block* type denote for comparison progress and quantity of work done in quarter ending 31st December 1889.	Sub-heads of work.	North Pier.					South Pier.					Pallávaram quarries outturn.	Concrete block-making.	Railway lines at works.	Railway lines at quarries.	Railway lines, Sand line.	Railway lines, Beach improvements.	Protective works.	Total expenditure during quarter ending 31st December 1890.
			Rubble base.	Superstructure.	Wave-breaker.	Concrete capping.	Base protection.	Rubble base.	Superstructure.	Wave-breaker.	Concrete capping.	Base protection.								
No. of item.	Particulars and quantity of work, &c.	Column	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.	**Nil.** 3,917¾	..	..	..	..	**Nil.** 1,913¼	..	..	..	..	..	..	..	..	..	..	..	..
2	Do. do. from wagons	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,947¼	..
3	Total quantity rubble stone received on works ..	,,	..	..	..	..	..	..	..	..	..	..	**Nil.** 9,778¼	..	..	..	..	..	..	..
4	Do. blasted chips do. ..	,,	..	..	..	..	..	..	..	..	..	..	**13,053¾** 9,403¼	..	..	..	..	..	..	..
5	Do. large stones do. ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Concrete blocks, set by divers	Number.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	Do. deposited in wavebreaker ..	,,	..	..	**143** 146	..	..	..	..	**64** 18	..	..	..	..	..	..	..	..	..	..
8	Do. made for superstructure	,,	..	..	..	..	..	..	..	..	..	..	..	**427** 226	..	..	..	..	..	..
9	Do. do. wavebreaker	,,	..	..	..	..	..	..	..	..	..	..	..	**253** 277	..	..	..	..	..	..
10	Wrought-iron cramp fixed in position	,,	..	**24** 36	..	..	..	..	**18** 11	..	..	..	..	..	..	..	..	..	..	..
11	Total outturn of concrete	C. yds.	..	..	..	..	**Nil.** 386⅔	..	..	..	..	..	..	**11,599½** 8,669⅓	..	..	..	..	..	..
12	Advance or progress of completed superstructure ..	Ry. ft.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	Rubble base protected with concrete	,,	..	..	..	..	**Nil.** 348	..	..	..	..	..	..	..	..	..	..	..	..	..
14	Metre gauge, 40 lb. per yard laid new	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	284	..	..
15	Do. do. relaid or renewed ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	Broad gauge, 50 lb. per yard laid new	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	216	..	..	..
18	Do. do. relaid or renewed ..	,,	..	..	..	..	..	..	261	..	..	..	..	..	..	..	..	..	..	..
19	Do. do. taken up	,,	..	1,318	..	..	..	..	1,659	..	..	..	..	..	..	..	..	..	..	..
20	Titan gauge, 75 lb. per yard laid new	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	Do. do. relaid or renewed ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	Do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of work ..	Rs.	2,648	7,228	1,755	..	2,021	698	8,466	1,516	..	207	26,466	91,164	..	..	1,307	..	..	1,43,476

	TONS	CWTS.	QRS.	LB.
6,224 casks of cement received on works during quarter ending 31st December 1890 containing	1,111	8	2	8
7,245 do. issued for do. do. do. do. ..	1,293	15	1	8
20,606 do. balance in store at end of do. do. do. ..	3,679	12	3	15

Quantity due on indents.
Nil.

Madras,
9th January 1891.

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

427/2

Extract of Proceedings of the Trustees of the Harbour of Madras at a Meeting held at the offices of the Sea Customs on Friday the 23rd day of January 1891.

* * * * *

10. Examined statement of progress made upon the Madras Harbour Works during quarter ending 31st December 1890, together with a plan.

Resolved,—that this report be submitted to Government.

* * * * *

(True Extract.)

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

Transferred to the Public Works Department.

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

29th January 1891.

Order—dated 16th February 1891, No. 427 W., Public Works.

The report will be forwarded to the Secretary of State for India.

2. The usual statement comparing expenditure with the sanctioned estimate is awaited.

(Here enter No. $\frac{5}{427 \text{ W.}}$, dated 16th February 1891.)

(True Extract.)

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

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

Exd. J. Henrious.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated February, 16th.

Recd. *Encl.*

G.O., 16th Feb. 1891, No. 427 W.

FEBRUARY.

Madras Harbour Works

Progress report of the — for the quarter ending 31st December 1890, ordered to be forwarded to the Secretary of State for India.

PRO STATEMENT No. / GRESS

MADRAS HARBOUR WORKS.

Statement showing Progress during Quarter ending 31st December 89 shown on accompanying Lithographed Plan No.

Note.—The Figures in *red* denote for comparison progress and quantity of work done in Quarter ending 31st December 1889

No. of Item	Particulars and Quantity of Work, &c.	Sub-heads of Work.	North Pier—Rubble Base.	Do. —Superstructure	Do. —Wavebreaker	Do. —Concrete Capping	[illegible]	South Pier—Rubble Base	Do. —Superstructure	Do. —Wavebreaker	Do. —Concrete Capping	Do. —Beach Protection	Pallavaram Quarry Cutting	Concrete Blockmaking Yard	Railway Lines at Works	Do. at Quarries	Do. Sand Line	Do. Beach Improvement	Protective Works	Total Expenditure during Quarter ending December 31st 1889
		Column.	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	nil 3917½					nil 713¼												
2	Do. do. from wagons	„																	3927¼	
3	Total quantity Rubble Stone received on Works	„											nil 9778¼							
4	Do. Blasted Chips do.	„											13057 91,038½							
5	Do. Large Stones do.	„																		
6	Concrete Blocks—Set by Divers	Number																		
7	Do. Deposited in Wavebreaker	„			[illegible] 146					11 13										
8	Do. made for Superstructure	„												227 226						
9	Do. do. Wavebreaker	„												252 277						
10	Wrought Iron cramp fixed in position	„		24 36					10 11											
11	Total out-turn of Concrete	Cubic yards.												[illegible] 8650/9						
12	Advance or progress of completed superstructure	Ry. feet																		
13	Rubble Base protected with concrete	„																		
14	Metre Gauge, 40 lbs. per yard laid new	„																284		
15	Do. do. relaid or renewed	„																		
16	Do. do. taken up	„																		
7	Broad Gauge, 50 lbs. per yard laid new	„															216			
8	Do. do. relaid or renewed	„							261											
9	Do. do. taken up	„		1318					1659											
0	Titan Gauge, 75 lbs. per yard laid new	„																		
1	Do. do. relaid or renewed	„																		
2	Do. do. taken up	„																		
3																				
	Approximate Expenditure under Sub-heads of Work	Rupees	2648	7228	1755	,		2[illegible]98	8466	1516	,	207	26,466	91,164	-	-	1307	-	-	1,43,476

		Tons.	Cwts.	Qrs.	lbs.
6224	Casks of Cement received on Works during Quarter ending 31st Dec'90 containing	[illegible]		2	8
7245	Do. do. issued for do. do.	12[illegible]5		1	8
20606	Do. do. Balance in Store at end of	30[illegible]2		3	15

Quantity due on Indents.	Tons.	Cwts.	Qrs.	lbs.
nil				

Item No.

Ans 92

Harbour Trust Board Office.

MADRAS, 27th January 1891.

No. 1331

429/4 10

FROM

Ware 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, the Statement of progress made upon the Madras Harbour works, during the quarter ending 31st December 1890, together with plan, in duplicate.

I have the honor to be
Sir
Your obdt. Servant.

Chairman
Harbour Trust Board.

427/5

PWC No. 5056

d/ 29 January 1891

Transferred to the blic Works Dept.

Instructions

Chief Secretary.

F.O.B.
29/1

R 30-1-91
E. 4
(+ 2 plans)

Note Plans sent separately in tin case.

2/11

19. 11. 90 - 3085W
19. 11. 90 - 14/3085W
6. 12. 90 - 3240W
12. 1. 91 - 106W

Cus 92

MARINE DEPARTMENT.

From

THE CHAIRMAN,
Harbour Trust Board,
MADRAS.

To

The Chief Secretary to Government,
Marine Department.

Dated 27 } January 1891.
Received

Enclosure (4)

No. 1337.

CHIEF SECRETARY
29 JAN 91
GOVERNMENT, C

SUBJECT.

Submitting for the information of Government statement of Progress made upon the Madras Harbour Works during the quarter ending 31 December, together with plan in duplicate.

Transferred.

328

Extract of Proceedings of the **TRUSTEES OF THE HARBOUR OF MADRAS**, at a Meeting held at the Offices of the Sea Customs Board on Friday the 23d day of January 1891.

427/6

× × ×

10. Examined statement of Progress made upon the Madras Harbour Works during quarter ending 31st December 1890, together with a plan

Resolved, - that this report be submitted to Government.

× ×

(True Extract,)

Secretary
Harbour Trust Board

Wo

2/355/91

Mar Ans 92181
1

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

427/7

Read the following

Letter from the Chairman, A. I. Board, Madras. — H.C. No. 1331 d/ 27 Jany 1891

Endorsement in the Marine Depts — No. — d/ 29 Jany 1891

5-P

The report will be forwarded to the Secy: of State for India.

2. The usual Statement comparing expenditure with the sanctioned estimate is awaited.

To Chairman, M.H.I. Board ✓
Marine Depts ✓

18/2/91

W

Hcs
8 Feb

H.C. No. d/

To

The Right Honble the
Secy of State for India

My Lord,

In continuation of our despatch No. 14/3085W d/ 19th Novr 1890, we have the
ho

honor to forward a copy of our Proceedings No 427 d of 16 Jany 1891, embodying a report of the progress of the Madras Harbour works for the quarter ending 31st December 1891.

2. A plan showing the state of the works at the end of the quarter is also forwarded. The usual comparative statement of expenditure will follow.

I have &c

30.1.91

30.1

19/2

2.11.91

210/-

427/8

6

1056.

Govt. of Madras.

PUBLIC WORKS.

[illegible] [illegible]

Dated

Recd. Encl.

G.O., [illegible] 18 [illegible], No. [illegible]

(8)

$\frac{5}{427}$

Madras Harbour Works.

Progress Report of the — for the quarter ending 31st Decr. 1890. Ordered to be forwd. to the Secy of State for India —

Forwarding the Progress Report of the M.H. works for the quarter ending 31st December 1890.