(1) பக்கங்களின் எண்ணிக்கை 28.

(2) புதுக்கித் திருப்பிய நாள் மார்ச் 90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2779 2780 2781	அச்சகம் பலவகை

நாள் : 20-10-1890 19

14

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

2779
1

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, 29th September 1890, No. 3636.

I have the honor to submit herewith, for the information of Government, a statement of progress made upon the Madras Harbour Works during the month of August, with plan ; and also comparative statement of expenditure for the quarter ending 30th June 1890.

ENCLOSURES.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a Meeting held at the Offices of the Board on Friday the 26th day of September 1890.

* * * * *

3. Statement of progress made upon the Madras Harbour Works during the month of August, with plan ; also comparative statement of expenditure for the quarter ending 30th June 1890 were examined and discussed.

Resolved, that they be submitted to Government.

* * * * *

(True Extract.)

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

PROGRESS STATEMENT No. 8.

MADRAS HARBOUR WORKS.

STATEMENT showing progress during August 1890 as shown on accompanying lithographed plan No. 7.

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier. Rubble base.	North Pier. Superstructure.	North Pier. Wave-breaker.	North Pier. Concrete capping.	North Pier. Base protection.	South Pier. Rubble base.	South Pier. Superstructure.	South Pier. Wave-breaker.	South Pier. Concrete capping.	South Pier. Base protection.	Pallavaram 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 in August 1890.
	NOTE.—The figures in *black* type denote for comparison progress and quantity of work done in August 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	205½	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Do. do. from wagons	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Total quantity rubble stone received on works	,,	..	..	..	..	..	..	..	..	..	..	5,807¾	..	..	..	..	..	..	..
4	Do. blasted chips do.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	Do. large stones do.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Concrete blocks set by divers	Number.	..	184 / 120	..	..	..	..	144 / 45	..	..	..	..	..	..	..	..	..	..	..
7	Do. deposited in wave-breaker	,,	..	..	..	..	..	..	..	..	..	..	..	12 / 165	..	..	..	..	..	..
8	Do. made for superstructure	,,	..	..	..	..	..	..	..	..	..	..	..	281 / 26	..	..	..	..	..	..
9	Do. do. wave-breaker	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	Wrought-iron cramp fixed in position	,,	..	..	..	..	..	..	..	..	..	..	..	5,176½	..	..	..	..	..	..
11	Total outturn of concrete	C. yds.	..	..	..	..	..	..	..	..	..	..	..	2,966½	..	..	..	..	..	..
12	Advance or progress of completed superstructure	Rg. ft.	..	112½ / 74¾	..	..	..	..	87½ / 12½	..	..	..	..	..	..	..	..	..	..	..
13	Rubble base protected with concrete	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	366	..	..
14	Metre gauge, 40 lb per yard, laid new	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	Do. do. relaid or renewed	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Do do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	2,284	..	..	..	..	..
17	Broad gauge, 50 lb. per yard, laid new	,,	..	1,011	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of works	Rs.	198	4,931	..	..	191	..	4,966	240	..	104	9,594	33,102	..	..	72	..	..	53,398

		TONS	CWT.	QRS.	LB.
2,239	casks of cement received on works during August 1890 containing	399	16	1	20
2,504½	do. issued for ,, ,, ,,	447	4	2	15
13,393⅔	do. balance in store at end of ,, ,, ,,	2,392	16	2	11

Quantity due on indents.

	TONS	CWT.	QRS.	LB.
Dated 14th March 1890 ..	2,621	8	2	8

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

MADRAS,
13th September 1890.

2779
2/2

3

20TH OCTOBER 1890, No. 2779 W., PUBLIC WORKS.

Transferred to the Public Works Department.

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

FORT ST. GEORGE,
10th October 1890.

ORDER—dated 20th October 1890, No. 2779 W., Public Works.

Recorded.

2. The comparative statement of expenditure for the quarter ending 30th June 1890 will be forwarded to the Secretary of State.

(Here enter No. 2780 W., dated 20th October 1890.)

(True Extract)

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

To the Chairman, M Harbour Trust Board.
,, Marine De nt.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated October, 20th.

Read.

Encl.

G.O., 20th Oct. 1890, No. 2779 W.

OCTOBER.

Madras Harbour Works

Progress report of the — for August 1890 and comparative statement of expenditure for the quarter ending 30th June 1890, recorded, and the statement ordered to be forwarded to the Secretary of State.

2779/3

20TH OCTOBER 1890, No. 2780 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

LETTER—from

COLONEL J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE UNDER SECRETARY OF STATE,
INDIA OFFICE,
LONDON.

SIR,

With reference to para. 2 of the despatch from this Government to the Right Honorable the Secretary of State for India, No. $\frac{13}{2505}$ W., dated 19th September 1890, I am directed to forward a statement comparing the expenditure on the Madras Harbour Works with the sanctioned estimate, for the quarter ending 30th June 1890.

(Here enter No. 2781 W., dated 20th October 1890.)

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

Colonel, R.E.,
Secretary to Government, P.W.D.

FORT ST. GEORGE,
20th October 1890.

Exd. J. Moses.
Spare Copies

2779

4

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated October, 20th.

Recd. Encl.

20th Oct. 1890, Nos. 2780 W., 2781 W.

OCTOBER.

Madras Harbour Works.

Forwarding copy of Proceedings recording Progress Report of the — for August 1890 and comparative statement of expenditure for the quarter ending 30th June 1890.

1890

2779 W $\frac{70}{4}$ encls

2780 W $\frac{30}{2}$ encls

2781 W $\frac{30}{2}$ encls

20 collection encls

2789

#6A

Harbour Trust Board Office.

MADRAS, 29th September 1890.

No. 2279/718

From

Geo: McWatters Esqre M.A. C.S.

Chairman, Harbour Trust Board,

MADRAS.

To

The Honble J. F. Price C.S.

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 month of August with plan, and also Comparative Statement of expenditure for the quarter ending 30th June 1890.

I have the honor to be

Sir

Your obedt. Servant

Geo: McWatters

Chairman

Harbour Trust Board.

D/ 10th October/90.

Transferred to the Public Works Dept. for information.

Chief Secretary.

MARINE DEPARTMENT.

From

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

Dated 29th September 1890.

Received 1st October

Enclosure ~~(3)~~ (4)

No. 3630

PUBLIC ETR DEPT

SUBJECT.

Submitting for the information of Govt a statement of Progress made upon the H. H. during the month of August with plan and Comparative statement of expenditure for the quarter ending 30 June/90

Transferred

G.O. 2508 W dated 19.9.90
to Deputed 545 M. 13

1825 W dated 20.5.90
to Deputed 545 M. 8

1916-7-8 W dated 16.7.90

2448 dated 15.9.90

EXTRACT of Proceedings of the TRUSTEES OF THE HARBOUR OF MADRAS, at a Meeting held at the Offices of the Board on Friday the 26th day of September 1890.

× ×

3. Statement of progress made upon the Madras Harbour Works during the month of August with plan: also Comparative Statement of expenditure for the quarter ending 30th June 1890 were examined and discussed:—

Resolved—, that they be submitted to Government.

× ×

(True Extract).

C Prevost

Secretary
Harbour Trust Board

Dw

PROGRESS STATEMENT No. 8

RECEIVED 19 SEP 90

MADRAS HARBOUR WORKS

2729/2 2780/12

Statement showing Progress during August 189 as shown on accompanying Lithographed Plan No. 7

Note.—The Figures in *red* denote for comparison progress and quantity of work done in *August 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.	Do. —Base Protection.	South Pier—Rubble Base.	Do. —Superstructure.	Do. —Wavebreaker.	Do. —Concrete Capping.	Do. —Base Protection.	Pallavaram Quarries Outturn.	Concrete Blockmaking.	Railway Lines at Works.	Do. at Quarries.	Do. Sand Line.	Do. Bench Improvements.	Protective Works.	Total Expenditure to August 1890
		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 ...		205½																	
2	Do. do. from wagons ... ... ,, ...																			
3	Total quantity Rubble Stone received on Works ... ... ,, ...																			
4	Do. Blasted Chips do. ... ... ,, ...												830½							
5	Do. Large Stones do. ... ... ,, ...			184					144											
6	Concrete Blocks—Set by Divers ... ... Number ...			120					45											
7	Do. Deposited in Wavebreaker ... ... ,, ...																			
8	Do. made for Superstructure ... ... ,, ...													165						
9	Do. do. Wavebreaker ... ... ,, ...													26						
10	Wrought Iron cramp fixed in position ... ... ,, ...																			
11	Total out-turn of Concrete ... ... Cubic yards.			1105					846					963¾						
12	Advance or progress of completed superstructure ... ... Ry. feet ...			74½					12½											
13	Rubble Base protected with Concrete																			
14	Metre Gauge, 40 lbs. per yard laid new ... ... ,, ...																	366		
15	Do. do. relaid or renewed ... ... ,, ...																			
16	Do. do. taken up ... ... ,, ...																			
17	Broad Gauge, 50 lbs. per yard laid new ... ... ,, ...			1011													2234			
18	Do. do. relaid or renewed ... ... ,, ...																			
19	Do. do. taken up ... ... ,, ...																			
20	Titan Gauge, 75 lbs. per yard laid new ... ... ,, ...																			
21	Do. do. relaid or renewed ... ... ,, ...																			
22	Do. do. taken up ... ... ,, ...																			
23																				
24	Approximate Expenditure under Sub-heads of Work Rupees		198	4931	-	-	91	-	4966	240	-	104	9594	3102			42			53,398

2239 Casks of Cement received on Works during August 1890 containing ... Tons 9 Cwts. 16 Qrs. 1 lbs. 20

2504 1/3 Do. do. issued for do. " " do. ... 4 4 2 15

13 399 2/3 Do. do. Balance in Store at end of " " ... 2 16 2 11

Column. Item No. " "

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

Dated 11th March 1890. 2621. 8. 12. 89

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2279/13 2780/13

READ the following

Endorsement no the clearing Dept. dtd:— dated 10th October 1890

Recorded.

2 The comparative statement of expenditure for the quarter ending 30th June 1890

19/10/90

Chairman, Madras Harbour Trust Board. ✓

Clearing department. ✓

will be forwarded to the Secretary of State.

23/10 H. C. dtd: 27/10 W.d.

Plan given to S-for Custody 27-10-90

To

The Under Secy of State
India Office
London

Sir,

19/10/90

With reference to para 2 of the despatch from this Govt to the Right Honorable

2779
14

The Secretary of State for
India etc: 13/26080 dated 19 Sept
September 1890 I am directed
to forward a statement
Comparing the expenditure
on the Madras Harbour Works
with the Sanctioned estimate,
for the Quarter ending 30th
June 1890.

W. C. etc.

W d/

Copy of the above,
with Copy of the statement
forwarded to the Govt of India
P. W. Department

15.10 14.10.90 19/X

Ch 14.10.90

9691.

Govt. of 18 } Madras.

PUBLIC WORKS.

No. 20 Acts 90 No. 2779.

Madras Harbour Works.

Progress Report of the — for Aug 1890.

Comparative Statement of expenditure for the Q. E. 30th June 1890 - Exhibit of the Statement ordered to be forwarded to the Govt of India.

Forwd: Comparative Statement of expenditure on the Harbour Works with the Estimate for the quarter ending 30th June 1890.

In Harbour Works.

Forwd: Copy of Progress Report of the — for Aug 1890 and Comparative

Statement of expenditure for the Q E 30th June 1890.

70/4 2. 30/2 30/2

Rec'd 30 Aug 1890.