

(1) Number of pages 14
 (2) Date of repair 8/8
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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No.	2970-W	Press.
B.P. No.		Mis.
Dated		23-7-1878 197.

Not to be folded or roughly handled

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2372

GOVERNMENT OF MADRAS
PUBLIC WORKS DEPARTMENT.

23rd July 1878, No. 2,970 W.

Buildings and Roads
Civil Works

Read the following paper —
No. 240 From F. N. THOROWGOOD, Esq, Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads, dated Madras, 19th July 1878, No. 19 W.

I HAVE the honor to forward the statement of expenditure on these works for the month of June 1878

Outlay on Madras Harbour Works up to 30th June 1878

Items of Estimate	Cost for May 1878	Cost for June 1878	Cost to end of June 1878	Additional Debits as per Supplemental Accounts for March 1878	Total Cost	Estimate
<i>Preliminary Works</i>	rs A P	rs A P	rs A P	rs A P	rs A P	rs
Detail d survey, taking section, soundings, &c	100 4 3	86 10 0	4,102 10 0		9,932 1 11	5,000
Marine survey	207 11 3	120 8 3	5,829 7 11			
Recovery	40 0 0	35 0 0				
Railways— Rt. of from England St. Pauls Foundation.			1,38 403 7 8 39,385 7 5 68,187 0 7	295 7 3	2 46,271 6 11	1,50,000
Opening quays	10 8 11	17 11 9	2 424 11 4		2,424 11 4	10,000
Preparing block-ground	62 0 4	211 1 0	44,167 10 7		44,167 10 7	60,000
Jetties for loading & unloading		144 11 0	58,009 2 11		58,009 2 11	70,000
Buildings			1,220 6 4		1,220 6 4	20,000
Land						
<i>Plant</i>			41 329 13 8		44,329 13 8	60,000
Locomotive engines	82 10 0	785 10 0	14 440 6 8		14 440 6 8	30,000
Rolling-stock		134 11 8	1 40,112 14 1		1 40,112 14 1	1,40,000
Loading plant		708 10 10	2,66,762 0 3	122 12 11	2,60,654 13 2	1,20,000
Machinery, cranes, &c	408 2 8	394 10 3	31,466 9 2	28 10 6	31,515 3 8	60,000
Quarry and general tools	0 2 0	0 8 0				
Recovery	21 1 2	2 8 0	716 10 9		716 10 9	3,000
Buoys and beacons			3 971 9 5	6 12 4	3,978 5 9	2,000
Office furniture						
<i>CONSTRUCTION OF PIER</i>						
<i>Nor. A. Pier</i>			1 74 815 14 11		1 74 815 14 11	2 27,180
Surf bank	4 408 11 7	4 895 8 7	72 626 9 8		72 626 9 8	4 82 600
Public base	2 014 12 7	1 670 12 0	44,036 10 11		44,036 10 11	3,06 500
Concrete block setting	8 4 1					30,000
Recovery						
Light house			1 770 5 10		1 770 5 10	1 00 000
Extra rubble						

Outlay on Madras Harbour Works up to 30th June 1878—continued.

Heads of Estimate	Cost for May 1878	Cost for June 1878	Cost to end of June 1878	Additional Debits as per Supplemental Accounts for March 1878	Total Cost	Estimate
<i>South Pier</i>	RS A P	RS A P	RS A P	RS A P	RS A P	RS
Surf bank	4 6 0		66,274 1 0		66,274 1 0	2,37,180
Rubble base	12,63 10 10	7,125 6 6	71,483 5 5		71,483 5 5	4,82,680
Concrete block-setting	2,206 0 3	1,351 4 6	16,201 14 7		16,201 14 7	3,06,000
Leaving rubble						30,000
Extra rubble						1,00,000
Concrete block making for North and South Piers	22,148 6 7	12,041 2 2	3,50,288 14 3		3,50,248 14 3	20,01,000
Recovery	71 14 0	4 14 0				
<i>Establishment</i>						
Salaries	4,203 15 7	2,733 9 9	1,28,041 1 3			
Office contingencies	164 9 6	53 7 6	2,096 3 11			
Traveling allowances	70 0 0	403 13 5	19,350 14 3		1,49,656 10 10	2,45,000
Medical	4 1 0		168 7 6			
<i>Contingencies</i>						
Protective works north of Harbour			7,565 0 9		7,565 0 9	
Other contingencies	928 0 3	1,121 15 3	16,363 13 8		16,363 13 8	2,45,600
Maintenance						2,45,690
Materials at sale for Spec- ial Works	49,153 12 3	34,050 7 0	28,299 323 11 7	4 3 11 0	4,20,276 6 7	
Recovery	4,400 1 2	2,508 7 1	5,108 1 2		5,108 1 2	
Eight h Portland Cement and other General Stores on stock	9,801 8 10	25,289 10 3	1,78,200 12 10	3,092 13 8	1,81,592 10 6	
Total	63,991 6 8	55,067 10 2	20,12,231 9 7	4,046 3 8	20,16,278 2 3	

* This item was inserted in the original revised estimate but has been omitted therefrom in the monthly accounts as the cost of maintaining the work is nil. The item is now inserted in order to make the total estimate correct.

MADRAS,
20th July 1878

(Signed) F N THOROWGOOD,
Superintendent, Madras Harbour Works

No. 241

ORDER THEREON, 23rd July 1878, No 2,970 W.

ORDERED to be recorded.

(True Extract)

(Signed) E. A FOORD, Colonel, R.E.
Secretary to Govt, P.W.D.
(True Copy)

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

To the Superintendent, Madras Harbour Works.
,, Examiner of Public Works Accounts.

Exd A F. Goodall
Spare Copies

BUILDINGS AND ROADS
CIVIL WORKS

Govt. of (1878) Madras
PUBLIC WORKS.

To

THE SUPERINTENDENT, PUBLIC WORKS

RECEIVED
MADRAS

No. 191v

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS

To

Colonel G. A. Ford - I. C.
Secretary to Government, P.W. Dept
Roads & Buildings
Fort St. George
MADRAS 19th July 1878

Sir,

I have the honor to forward the
Statement of Expenditure on these works
for the month of June 1878 -

I have the honor to be

Sir,

Your most obedient servant

G. H. Mowgood.
Superintendent
Madras Harbour Works.

RECEIVED
MADRAS

Geno 2733W 8 July 78

Roads & Buildings

From
The Superintendent
Madras Harbour Works

No 19W
Dated 19th July 1878

No of Enclosures 1
By Order

Is 2733W 8 July 78
Decided
at 7/78

Submits Statement of
Expenditure for June 1878

Supt. M. A. Mahip.
In P. H. Dept.
22 July 78

July 20-7-78
Cir 22.7.78

Quarry in Madras Harbour Works up to 30th June 1878

Receipts & Estimate

Est for Est for Est for
May 1878 June 1878 June 1878
Admitted as per bill
in receipt 1878

Remarks

PRELIMINARY WORKS

Estimated for making Section Land-					
ing 72 52	100 43	80 10	4102 10		
Main Survey	207 13	120 83	582 76	9932 11	5000
From England			1384 13 48	255 73	
From India			37385 7 5	246271 6 11	150000
From India			6818 7		
Quarries	10 8 11	17 11 9	2424 11 4	2424 11 4	10000
Block Ground	62 4	214 1	4416 15 7	4416 15 7	65000
in loading Stone					45000
Quarries			144 11	58009 2 11	75000
			1220 6 4	1220 6 4	30000

PLANT

Locomotive Engines			44329 13 8	44329 13 8	50000
Rolling Stock	82 10	785 10	14440 6 8	14440 6 8	35000
Fixed Plant			134 11 8	140112 14 1	145000
Motion & Cranes &c			768 10 10	260552 3	12212 11
Quarries & General Tools	408 2 8	394 10 3	31485 9 2	2810 6	31510 3 8
Bar & L Beams	21 1 2	2 8	1510 9	715 10 9	3000
Other Furniture			3971 9 5	3978 5 9	2000

CONSTRUCTION OF PIERS

NORTH PIER

Surf work			174815 14 1	174815 14 1	237191
From Sea	4408 11 7	4895 8 7	72625 9 8	72625 9 8	482688
Block setting	2024 12 7	1675 12	44036 10 11	44036 10 11	306500
Quarries					30000
Other work			1770 5 10	1770 5 10	100200

SOUTH PIER

From Sea	46		66274 1	66274 1	237190
Block setting	12163 10 10	7125 6 6	71483 5 5	71483 5 5	482688
Quarries	220 3	1351 4 6	16291 14	16291 14	306500
Other work					30000
					100000

to Block making for N S Pier. 22148 6 7 12041 2 2 350208 1 3 350208 1 3 2001000
Carried Over 43808 2 4 29718 9 1 1654538 2 4 453 11 1055391 13 4

Heads of Estimate Cost for Cost for Cost to end Additional Total Cost Estimate Remarks
 May 1878 June 1878 June 1878 of del. as per Supplemental account for March 1878.

Brought forward 43833 2 4 29 18 9 1 1654938 2 4 453 11 = 1655391 13 4

ESTABLISHMENT

Salaries	4208 157	2783 9 9	12804 1 3	---	---
Office Contingencies	164 9 6	53 7 6	2095 3 11	---	---
Travelling Allowances	70 --	408 13 5	19350 14 3	---	---
Medical	41 --	--	168 7 5	---	---
				149656 10 10	245690

CONTINGENCIES

Protective works North of Harbour	--	--	7865 -- 9	---	7865 -- 9
Other Contingencies	938 -- 3	1121 15 3	16363 13 8	---	16363 13 8
Maintenance	--	--	--	---	245690

Materials @ Site for specific works	49193 12 8	34086 7 --	1828823 11 7	453 11 =	1829277 6 7
English Portland Cement and	4996 1 2		5108 1 2	---	5108 1 2
Other general stores on stock	9801 8 10	25389 10 3	178299 12 10	359213 8	181892 10 6

Total 63991 6 8 56667 10 2 2012231 9 7 4046 8 8 2016278 2 3

Madras Harbor Works Office
 20th July 1878

Handwritten initials

* This item was inserted in the original revised Estimate but has been omitted hitherto in the monthly account as the cost of maintaining the work is nil. The item is now inserted in order to make the total estimate correct.

J. H. Horrowood.
 Superintendent
 Madras Harbor Works

8/50

Sabt. of (1878) [unclear]
PUBLIC WORKS

To
D. Engr. Harbor Works.

For

For

For

Rs. 10, 23 July 1878, 2, 2970 10

Rs. 2 10 6 25 1

Madras Harbour Works.

The statement of Expenditure on the — for June 7th recorded.


Sd/- Mr. [unclear]