

(1) Number of pages 16
(2) Date of repair 2-9-86
(3) Initials of the Referencer bus

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No.	4108-w	Press.
B.P. No.		Mis.
Dated	21-10-1878	197.

R.R.

Not to be folded or roughly handled.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

21st October 1878, No. 4,108 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 274. From F. N. THOROWGOOD, Esq., Superintendent of the Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 15th October 1878, No. 89 W.

I HAVE the honor to forward herewith a statement of expenditure for the month of September 1878.

Outlay on Madras Harbour Works up to 30th September 1878.

Heads of Estimate.	Cost for August 1878.	Cost for September 1878.	Cost to end of September 1878.	Total Cost.	Estimate.
PRELIMINARY WORKS.					
Detailed survey, taking sections, soundings, &c., &c.	Rs. 71 14 6	Rs. 82 6 0	Rs. 4,301 1 6	10,279 12 11	5,000
Marine survey	21 6 10	38 6 2	6,918 11 5		
Railways—				2,46,271 6 11	1,50,000
Rails from England .. ..	.. ..	.. ..	1,38,696 14 11		
Sleepers .. ..	.. ..	.. ..	39,386 7 5		
Formation .. ..	.. ..	.. ..	68,187 0 7		
PLANT.					
Opening quarries .. ..	.. ..	0 10 0	2,432 14 8	2,432 14 8	10,000
Preparing block-ground	308 7 2	494 11 11	45,031 15 5	45,031 15 5	60,000
Jetties for loading stone .. ..	.. ..	55 7 4	55 7 4	55 7 4	45,000
Buildings	606 11 10	1,168 1 2	60,304 12 3	60,304 12 3	75,000
Land .. ..	.. ..	.. ..	1,220 6 4	1,220 6 4	30,000
PLANT.					
Locomotive engines .. ..	.. ..	63 13 0	44,393 10 8	44,393 10 8	60,000
Rolling stock	1,644 4 10	938 2 8	17,997 15 3	17,997 15 3	35,000
Floating plant	119 5 0	583 6 4	1,41,338 7 8	1,41,338 7 8	1,45,000
Machinery, cranes, &c.	6 8 0	29 10 8	2,66,575 2 3	2,66,575 2 3	1,25,000
Quarry and general tools	250 2 9	492 7 1	32,459 10 0	32,459 10 0	50,000
Recovery	0 4 0	90 11 6	.. ..	.. ..	.. ..
Buoys and beacons .. ..	.. ..	.. ..	716 10 9	716 10 9	3,000
Office furniture .. ..	.. ..	.. ..	3,979 6 9	3,979 6 9	2,000
CONSTRUCTION OF PIERS.					
<i>North Pier.</i>					
Surf bank .. ..	.. ..	.. ..	1,74,815 14 11	1,74,815 14 11	2,37,780
Rubble base	9,672 3 7	15,034 11 2	1,06,017 5 10	1,06,017 5 10	4,82,680
Concrete block setting	2,569 2 9	2,811 14 1	61,593 0 5	61,593 0 5	3,06,500
Light-house .. ..	.. ..	.. ..	.. ..	.. ..	30,000
Extra rubble .. ..	.. ..	.. ..	1,770 5 10	1,770 5 10	1,00,000

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

Heads of Estimate.	Cost for August 1878.	Cost for September 1878.	Cost to end of September 1878.	Total Cost.	Estimate.
<i>South Pier.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.
Sarf bank	0 13 0	.. ..	66,275 3 0	66,275 3 0	2,37,180
Rubble lease	7,510 5 1	10,035 12 7	95,414 12 1	95,414 12 1	4,82,680
Concrete block setting	1,823 13 11	1,816 11 2	21,595 1 7	21,595 1 7	3,05,500
Light-houses .. ..	.. ..	.. ..	.. ..	.. ..	30,000
Extra rubble .. ..	.. ..	.. ..	.. ..	.. ..	1,00,000
Concrete block making for North and South Piers.	31,882 1 6	28,598 7 8	4,38,869 4 9	4,38,869 4 9	20,01,000
Recovery	11 1 6	21 4 6	.. ..	.. ..	.. ..
<i>ESTABLISHMENT.</i>					
Salaries	4,228 9 2	2,825 2 6	1,37,874 12 11	1,37,874 12 11	.. ..
Office contingencies	150 0 6	9 7 3	2,342 3 2	2,342 3 2	.. ..
Travelling allowances	250 6 2	282 14 1	20,322 1 1	20,322 1 1	.. ..
Medical	20 0 0	64 8 0	255 4 5	255 4 5	.. ..
<i>CONTINGENCIES.</i>					
Protective works north of Harbour ..	2,105 6 0	1,801 0 9	12,117 7 6	12,117 7 6	.. ..
Recovery .. ..	.. ..	0 10 0	.. ..	.. ..	.. ..
Other contingencies	903 4 1	698 2 11	20,104 12 7	20,104 12 7	.. ..
Recovery .. ..	.. ..	5 8 0	.. ..	.. ..	.. ..
Maintenance .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
<i>VALUE OF MATERIALS AT SITE.</i>	64,136 8 8	67,810 13 3	20,22,324 4 3	20,22,324 4 3	.. ..
Materials at site for specific works ..	112 0 0	.. ..	6,349 15 1	6,349 15 1	.. ..
Recovery	4,268 0 6	.. ..	.. ..	.. ..	.. ..
English Portland Cement and other ..	3,226 0 2	7,279 7 11	1,28,998 12 4	1,28,998 12 4	.. ..
General Stores on Stock .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Total	63,205 8 4	76,090 5 2	21,57,672 15 8	21,57,672 15 8	.. ..

MADRAS,
15th October 1878.(Signed) F. N. THOROWGOOD,
Superintendent, Madras Harbour Works.

No. 275.

ORDER THEREON, 21st October 1878, No. 4,108 W.

ORDERED to be recorded.

(True Extract.)

Colonel. R.E.,
Secretary to Govt., P.W.D.To the Superintendent, Madras Harbour Works.
" Examiner of Public Works Accounts.Exd. T. D. Ryan.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1878) Madras.
PUBLIC WORKS.

To

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS,
Sec., Sec., Sec.

Dated October 21st.

Issued

Recd.

Encl.

G. O., 21st October 1878, No. 4108 W.

OCTOBER.

Nos. 274-275.

Madras Harbour Works. - The statement
of expenditure on the — for September
1878, recorded.

No. 39. W.

4108
3

101

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

To

The Secretary to Government
Public Works Department
Fort Saint George

MADRAS, 15 October 1878.

Sir,

I have the honor to forward herewith
a statement of expenditure for the month of
September 1878

I have the honor to be,
Sir

Your most Obedient Servant

G. H. Thoroughgood.
Superintendent
Mr. H. Works.

4108
4

4840 3745 w of 24-9-78

From
The Superintendent
of Harbor Works
No 397.

Dated 15th Oct 78
Recd 18th Oct 78

Forwarding a statement
of expenditure for Sept 1878

To acty 16-10-78
Cir 18.10.78. Rtd 21.10.78

Outlay on Madras Harbour Works up to 30th September 1878.

2

Heads of Estimate

Cost for August 1878. Cost for September 1878. Cost to end of September 1878. Total Cost. Estimate

Remarks.

PRELIMINARY WORKS

Detailed Survey taking sections

Soundings &c &c	71 14 6	52 6 0	4361 1 6	10279 12 11	5000
Marine Survey	21 6 10	36 6 2	5918 11 5		

Railways.

Rails from England	---	---	138698 14 11	246271 6 11	150000
Sleepers	---	---	39385 7 5		
Formation	---	---	68187 7 7		

Opening Quarries	---	10 9	243214 8	243214 8	10000
Preparing Block Ground	308 7 2	49411 11	45031 15 5	45031 15 5	65000
Jetties for loading Stone	---	55 7 4	55 7 4	55 7 4	45000
Buildings	605 11 10	1168 1 2	60304 12 3	60304 12 3	75000
Land	---	---	12206 4	12206 4	30000

PLANT

Locomotive Engines	---	6313 0	44393 10 9	44393 10 8	60000
Rolling Stock	1644 4 10	938 2 8	17997 15 3	17997 15 3	35000
Floating Plant	119 5 0	588 6 4	141338 7 8	141338 7 8	145000
Blackburn, Spanes &c	8 0	29 10 8	266575 2 3	266575 2 3	125000
Quarry and General Tools	260 2 9	492 7 1	32450 10 0	32450 10 0	50000
Buoys and Beacons	---	---	716 10 9	716 10 9	3000
Office Furniture	---	---	3979 5 9	3979 5 9	2000

CONSTRUCTION OF PIERS

North Pier

Surf Bank	---	---	174815 14 11	174815 14 11	237190
Rubble Base	9672 3 7	15034 11 2	106017 5 10	106017 5 10	482650
Concrete Block Setting	2569 2 9	2811 14 1	51503 0 5	51503 0 5	306500
Lighthouse	---	---	---	---	30000
Extra rubble	---	---	1770 5 10	1770 5 10	100000

South Pier

Surf Bank	12 0	---	66275 3 0	66275 3 0	237180
Rubble Base	7510 5 1	10035 12 7	95414 12 1	95414 12 1	482680
Concrete Block Setting	1823 13 11	1816 11 2	21595 1 7	21595 1 7	306500
Lighthouse	---	---	---	---	30000
Extra rubble	---	---	---	---	100000

Concrete Block making for Nth Pier	31882 1 6	28598 7 8	438869 4 9	438869 4 9	2001000
------------------------------------	-----------	-----------	------------	------------	---------

Carried Over	56478 14 3	62135 11 9	1829309 10 7	1829309 10 7	
--------------	------------	------------	--------------	--------------	--

4108/5

8

Heads of Estimate

Cost for August 1878. Cost for September 1878. Cost to end of September 1878. Total Cost Estimate

Remarks.

Brought forward

56478 14 3 62135 11 9 1829309 10 7 1829309 10 7

ESTABLISHMENT

Salaries	4228 9 2	2825 2 6	137874 12 11	160792 5 7	245690
Office contingencies	150 - 6	97 3	2342 3 2		
Travelling Allowances	250 6 2	282 14 1	20322 1 1		
Medical	21 -	64 8 -	253 4 5		

CONTINGENCIES

Protective Works North of Harbour	2105 6	1801 - 9	12117 7 6	32222 4 1	245690
Other contingencies	945 4 1	648 2 11	20104 12 7		
Maintenance	-	-	-	-	245690

VALUE OF MATERIALS AT SITE

Materials @ Site for specific Works	112 -	-	6349 15 1	6349 15 1
English Portland Cement and other	3225 - 2	7279 7 11	128998 12 4	128998 12 4
General stores on stock	63205 8 4	75090 5 2	2157672 15 9	2157672 15 8
Total				

Madras Harbour Works Office
15 October 1878

G. M. Harrowood.
Superintendent
M. H. Works.
Ct
14/10

3 P. Works

No 410845 Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 21 Oct 78.

Read the following:—

From the Supt., Madras Harbour Works (H E No 39457 15 Oct 78)

Recorded.

17

14/10

Supt., M. Harbour Works
Ex. Mr. Acct. 5

Sept 6-11-78

8

See 18.10.78 Put 21.10.78
16.10.78 Put 23.10.78

11618

Gobt. of (1878) Madras
PUBLIC WORKS.

To The *Sup^t of Madras
Harbour Works*

Dated

Issued

Recd.

Encl.

G. O. 21 Oct^r 1878, No. 4108^W

Nos. 274 to 275

Madras Harbour Works

The Statement of expenditure
on the — for Sep 1878, recorded

Carried over to Page 2