

(1) Number of pages _____
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. 2147	(W)	Press Mis.
Dated 18-12		1877.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

18th December 1877, No. 2,147 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 166. From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 13th December 1877, No. 65 W.

I HAVE the honor to forward herewith a statement of expenditure on the Madras Harbour Works up to the 30th November 1877.

Outlay on Madras Harbour Works up to 30th November 1877.

Heads of Estimate.	Cost for October 1877.	Cost for November 1877.	Cost to end of November 1877.	Total Cost.	Estimate.	Remarks	
<i>Preliminary Works.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.		
Detailed Survey ..	86 2 6	92 11 0	3,334 3 8	13,925 4 0	5,000	Expenditure on this head must constantly be going on, but the present surveying is hardly a "Preliminary Work."	
Marine Survey ..	36 13 10	15 12 0	10,571 0 4				
<i>Railways.</i>							
Rails from Eng-land.	206 8 0	..	1,38,403 7 8	2,44,891 0 1	1,50,000		
Sleepers..	..	..	39,385 7 5				
Formation ..	1,377 10 6	324 9 5	67,102 1 0				
Opening Quarries ..	2 15 0	1 0 0	2,157 14 0	2,157 14 0	10,000		
Preparing Block Ground	1,360 9 5	18 4 3	42,239 10 9	42,239 10 9	65,000		
Jetties ..	..	..	..	..	45,000		
Land ..	..	..	..	..	30,000		
Buildings ..	1,498 4 5	984 7 6	53,361 7 10	53,361 7 10	75,000		
<i>Construction of Piers.</i>							
<i>North Pier.</i>							
Surf Bank ..	7 0 9	..	1,74,794 2 9	1,74,794 2 9	2,37,130		
Rubble Base ..	1,821 0 8	848 12 3	39,350 9 8	39,350 9 8	4,32,630		
Extra Rubble ..	..	..	1,779 5 10	1,779 5 10	1,00,000		
Concrete Block setting.	1,612 12 7	1,607 12 7	23,217 0 3	23,217 0 3	3,06,500		
Light-house ..	..	..	..	..	30,000		
<i>South Pier.</i>							
Surf Bank ..	7,683 11 10	3,082 15 3	63,939 0 6	63,939 0 6	2,37,130		
Rubble Base ..	1,189 0 9	2,769 3 8	18,277 4 7	18,277 4 7	4,32,630		
Extra Rubble ..	..	..	..	..	1,00,000		
Concrete Block setting.	323 11 9	714 6 7	1,280 14 5	1,280 14 5	3,06,500		
Light-house ..	..	..	..	..	30,000		
Concrete Block making for North and South Piers.	21,860 6 7	7,203 7 9	1,86,314 4 9	1,86,314 4 9	20,01,000		
Recovery ..	..	6 9 0	..	..	..		

NOTE.—The items in large type under the name of "recovery" are the results of adjustment of payments already made. The "recovery" is from one head of the estimate to another sub-head.

2. PUBLIC WORKS DEPARTMENT, 15TH DECEMBER 1877, No. 2,147 W.

Outlay on Madras Harbour Works up to 30th November 1877—(Continued).

Heads of Estimate.	Cost for October 1877.	Cost for November 1877.	Cost to end of November 1877.	Total Cost.	Estimate.	Remarks
<i>Plant.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
Locomotive Engines ..	11 0 0	9 8 5	43,230 11 7	43,230 11 7	60,000	
Rolling Stock ..	82 14 2	234 0 11	11,948 11 8	11,948 11 8	35,000	
Floating Plant ..	68 9 9	0 12 0	1,32,984 9 9	1,32,984 9 9	1,45,000	
Machinery ..	3,806 13 8	951 10 3	2,46,897 13 2	2,46,897 13 2	1,25,000	
Recovery ..	3,665 3 6	978 3 6	25,535 12 8	25,535 12 8	60,000	
Quarry and General Tools ..	..	135 4 0	651 15 7	651 15 7	3,000	
Recovery ..	..	17 8 0	3,937 11 10	3,937 11 10	2,000	
Buoys and Beacons ..	387 2 0	..	98,670 1 10	98,670 1 10	2,45,600	
Office Furniture ..	..	..	1,655 3 2	1,655 3 2	..	
<i>Establishment.</i>	..	..	18,070 14 5	18,070 14 5	..	
Salaries ..	2,841 3 5	2,841 8 0	91 2 0	91 2 0	..	
Office Contingencies ..	6 2 6	121 9 6	..	..	..	
Travelling Allowances ..	209 10 0	70 0 0	..	..	..	
Medical ..	..	..	..	..	..	
<i>Contingencies of 5 per cent. on Total Estimate.</i>	..	..	..	..	..	
Prince of Wales' visit and other Contingencies ..	235 10 6	468 3 5	12,766 2 10	12,766 2 10	..	
Protecting North Beach ..	..	..	7,865 0 9	7,865 0 9	2,45,600	
Materials at site—Recovery ..	50,381 2 0	21,511 7 3	14,69,344 14 8	14,69,344 14 8	..	
	489 9 7	601 12 10	1,210 6 5	1,210 6 5	..	
	49,891 3 5	20,909 10 6	14,70,555 5 1	14,70,555 5 1	..	

Note.—The items in large type under the name of "recovery" are the results of adjustment of payments already made. The "recovery" is from one head of the estimate to another sub-head.

MADRAS,
13th December 1877.

(Signed) F. N. THOROWGOOD,
Supt., Madras Harbour Works.

No. 167.

ORDER THEREON, 18th December 1877, No. 2,147 W.

ORDERED to be recorded.

(True Extract.)

(Signed) E. A. FOODR, Colonel, R.E.,
Secretary to Government, P.W.D.

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

Concrete Block Siding	1007 12 7	2027 11 5	2027 11 5	2027 11 5	2027 11 5	2027 11 5
Lighthouse	..	..	..	..	..	..
South Pier	..	..	..	..	..	..
Surf Bank	768 11 10	3082 15 8	6399 6 6	6399 6 6	237 120	237 120
Public Base	1189 9 9	2769 8 8	18277 4 7	18277 4 7	482 680	482 680
Latro Rattle	..	..	..	..	100000	100000
Concrete Block Siding	323 11 9	714 6 7	1280 14 5	1280 14 5	206 500	206 500
Lighthouse	..	..	..	..	30000	30000
Concrete Block making for North and South Piers	21860 6 7	7203 7 9	186314 4 9	186314 4 9	2001000	2001000
Recovery	..	..	..	..	..	..
Plant	..	..	..	..	..	..
Locomotive Engines	11 ..	9 8 5	43230 11 7	43230 11 7	60000	60000
Rolling Stock	82 14 2	234 0 11	11948 11 8	11948 11 8	35000	35000
Floating Plant	68 9 9	0 12 0	132984 9 9	132984 9 9	145000	145000
Machinery	3806 13 8	951 10 3	246897 13 2	246897 13 2	125000	125000
Recovery	3665 3 6	978 3 6	25535 12 8	25535 12 8	..	..

Carried over 48036 2 2 17875 9 4 130080 10 4

Outlay on Madras Harbor Works up to 30 November 1877

Remarks:

Le Finale

Total Cost

Aug 1/1900

not for

for

Coast

Limale

... of the

5

Preliminary Works.

Detailed Summary

James party
Training School

R. L.

Travellers: *Rail's from England*

Sleepers: 1

Formation

Common Quaries—

Preparina Black Ground

1871

Land

Parade Buildings

Summary:

Construction of Diers

Harb. Div.

Stromboli
San Donato

Very Warm
R. W. B. m

mobile base
B.T. B.M.

No. 65 *HL*

From

THE SUPERINTENDENT,

MADRAS HARBOUR WORKS,

To

The Secretary to Government
Public Works Department
Fort St George

MADRAS, 13th December. 1877

SIR,

I have the honor to forward
herewith a statement of Expenditure on
the Madras Harbour Works up to the 30th
November 1877.

I have the honor to be
Sir
Your most Obedient Servant

J. H. Throgood.

Superintendent
M. H. Works

No 2147 N 7/18th Dec 77
As Recd. 1877

cut
14/12

To

The Secy: to Government
Public Works Deptt.
Fort St. George

Dated 13th }
Recd. } December 1877

Encls: 1

4018. Dec 77. 166
Capt. M. A. Hake
P. W. A. S.

Forwarding Statement
of Expenditure on Madras
Harbour Works for Nov.
1877.

99. 21. Nov 1877 No 1750 M.

Recd 2-1-78

With order

Cl. 12859
Govt. of 1877 Madras
PUBLIC WORKS.

To *Mr. Asst. Secy. Madras Harbours Works*

Dated

Issued

Recd.

Encl.

G. O., 18 Decr 1877, No. 24276

Nos. 166-167

Madras Harbours Works
Statement of expenditure
on the — for November
1877. Recorded.

But no page.