

(1) Number of pages 14
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 (3) Initials of the Referencer bug

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W. DEPARTMENT

G.O. No.	397 (w)	Press.
B.P. No.		Mis.
Dated	23-1-1878	197

Not to be folded or roughly handled

A.K.

397

- GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

23rd January 1878, No. 397 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 228. From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads Branch, dated Madras, 17th January 1878, No. 68 W.

With reference to my letter No. 66 W, dated 1st instant, I have the honor to forward the statement of expenditure on these works for the month of December 1877.

Outlay on Madras Harbour Works up to 31st December 1877.

Heads of Estimate.	Cost for November 1877.	Cost for December 1877.	Cost to end of December 1877.	Total Cost.	Estimate.	Remarks.
<i>Preliminary Works.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
Detailed surveys, taking sections, soundings, &c., &c.	93 11 0	134 7 9	2,438 11 6	14,091 8 5	6,000	The sum of Rupees 6,000 shown in the estimate is quite insufficient for surveys on a Marine work of this magnitude.
Marine Survey ..	15 12 0	31 12 8	19,602 13 0			
<i>Railways—</i>						
Rails from England	..	..	1,38,408 7 8	2,45,228 13 10	1,50,000	
Sleepers ..	..	..	23,386 7 6			
Formation ..	324 9 5	337 13 9	67,439 14 9			
<i>Opening quarries ..</i>	1 0 0	204 15 5	2,362 13 5	2,363 13 5	10,000	The block grounds are completed but some payments previously made are not adjusted in the December accounts.
Preparing block ground	18 4 3	337 1 5	42,576 12 2	42,576 12 2	65,000	
Jetties for loading stone.	..	..	..	..	46,000	
Buildings ..	984 7 6	2,637 0 10	55,998 8 8	55,998 8 8	75,000	
Land ..	..	..	..	..	30,000	
<i>Plant.</i>						
Locomotive engines ..	9 8 5	305 15 7	43,536 11 2	43,536 11 2	60,000	
Rolling stock ..	234 0 11	108 10 7	12,057 6 3	12,057 6 3	35,000	
Floating plant ..	0 12 0	84 0 3	1,33,068 10 0	1,33,068 10 0	1,45,000	
Machinery, cranes, &c.	951 10 3	6,744 13 3	2,55,642 10 5	2,55,642 10 5	1,25,000	
Recovery ..	978 3 6	..	..	..	..	
Quarry and general tools.	253 0 0	1,450 8 7	26,986 6 3	26,986 6 3	60,000	
Recovery ..	135 4 0	..	..	..	..	
Buoys, beacons, &c. ..	..	..	551 15 7	551 15 7	3,000	
Office furniture ..	17 8 0	12 4 1	3,969 13 11	3,969 13 11	2,000	
<i>Construction of Piers.</i>						
<i>North Pier.</i>						
Surf bank ..	..	21 12 2	1,74,815 14 11	1,74,815 14 11	2,37,150	
Rubble base ..	848 12 3	1,653 5 9	41,003 15 6	41,003 15 6	4,82,650	
Concrete block setting..	1,607 12 7	4,903 15 4	27,226 13 7	27,226 13 7	8,06,500	
Light-house ..	..	..	..	..	30,000	
Extra rubble ..	..	..	1,770 6 10	1,770 6 10	1,00,000	

PUBLIC WORKS DEPARTMENT, 23RD JANUARY 1878, No. 397 W.

Outlay on Madras Harbour Works up to 31st December 1877—(Continued).

Heads of Estimate.	Cost for Nov- ember 1877.	Cost for Dec- ember 1877.	Cost to end of December 1877.	Total Cost.	Esti- mate.	Remarks.
<i>Construction of Piers.</i> (Contd.)	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
<i>South Pier.</i>						
Surf bank ..	3,052 15 3	1,241 12 11	65,890 13 5	65,890 13 5	2,37,180	
Rubble base ..	2,769 3 8	5,436 7 8	23,713 12 3	23,713 12 3	4,82,680	
Concrete block setting ..	714 6 7	1,110 14 5	2,691 12 10	2,691 12 10	3,06,600	
Light-house ..					30,000	
Extra rubble ..					1,00,000	
Concrete block-making for North and South piers.	7,203 7 9	5,981 7 6	1,93,295 12 3	1,93,295 12 3	20,01,000	
Recovery ..	6 9 0					
<i>Establishment.</i>						
Salaries ..	2,841 8 0	2,767 6 4	1,01,397 7 2			
Office contingencies ..	121 9 6	27 9 0	1,678 0 8			
Recovery ..		4 11 6	18,265 6 3	1,21,422 0 1	2,45,690	
Travelling allowances ..	70 0 0	184 7 10	91 2 0			
Medical ..						
<i>Contingencies 5 per cent. on Total Estimate.</i>						
Prince of Wales' visit and other contin- gencies.	468 3 5	632 1 11	12,035 4 9			
Recovery ..	0 11 0			20,803 5 6	2,45,690	
Protecting North Beach.			7,865 0 9			
Materials at site— Recovery ..	21,511 7 3	23,452 0 9	15,08,796 15 2	15,08,796 15 2		
Total ..	601 12 10	805 12 10	404 9 7	404 9 7		
	20,009 10 4	33,646 3 8	15,09,201 8 9	15,09,201 8 9		

MADRAS,
17th January 1878.(Signed) P. N. THOROWGOOD,
Supt., Madras Harbour Works.

No. 229.

ORDER THEREON, 23rd January 1878, No. 397 W.

ORDERED to be recorded.

(True Extract.)

To the Superintendent of Madras Harbour Works,
Examiner of Public Works Accounts.Colonel, R.E.,
Secretary to Government, P.W.D.Exd. E. C. Shunker,
Spare Copies397
2

Roads & Buildings

Hon.
 The Superintendent
 Madras Harbour Works

1068W
Dated 17th January 1898

No. of Enclosures!

Expenditure

Annals Statement of Expendi-
ture on the work during Dec 1877.

With order

S. M. A. Waker B.
En. P. W. A. 15
Bridg P. 2. 78/1

C. 19-1178

Outlay on Madras Harbour Works up to 31st December 1877.

Heads of Estimate

Cost for November 1877.	Cost for December 1877.	Cost to end of December 1877.	Total Cost Estimated

Remarks

Preliminary Works:

Detailed Surveys taking sections					
Soundings &c &c	93 11	1312 7 9	3289 11 5	} 14091 8 5	5000
Marine Survey	16 12	31 12 8	10602 13		
Railways					
Rails from England			138403 7 8	} 246228 13 10	150000
Slaps			39385 7 5		
Formation	324 9 5	337 13 9	67439 14 9		
Opening Quarries		1	204 15 5	2362 13 5	10900
Preparing Block Ground		18 4 3	337 1 5	12576 12 2	65000
Jetty for loading Stone					4500
Buildings		924 7 4	2637 12	65998 8 8	76000
Land					3000

The sum of Rs 5000. Shown in the Estimate is quite sufficient for surveys on a marine work of this magnitude.

The Block grounds are completed but some payments previously made are only adjusted in the December accounts. -

Plant

Locomotive Engines	9 8 5.	305 15 7.	43536 11 2.	43536 11 2.	60000
Rolling Stock	234 . 11.	108 10 7.	12057 6 3.	12057 6 3.	35000
Floating Plant	. 12 .	84 . 3.	133068 10 .	133018 10 .	145000
Machinery, Gravel &c.	951 10 3.	8744 13 3.	255642 10 6.	255642 10 6.	125000
Quarry and General Tools	253 . .	1450 8 7.	26986 5 3.	26986 5 3.	50000
Buoy Beacons &c.	. . .	. . .	651 15 7.	651 15 7.	3000
Office Furniture	17 8 .	12 4 1.	3969 15 11.	3969 15 11.	2000

Construction of Piers

North Pier

Surf bank	21 12 2.	1748 15 14 11.	1748 15 14 11.	237180
Rubble Base	848 12 3.	1653 5 9.	11003 15 5.	11003 15 5.
Concrete Block Setting	1407 12 7.	4009 15 4.	27226 15 7.	27226 15 7.
Lighthouse				30000
Extra Rubble			1770 5 10.	1770 5 10.

South Per

Surf bank	3082 15 3.	1941 12 11.	65880 13 5.	65880 13 5.	237180
Rubble Base	2749 3 8.	5456 7 8.	23713 12 3.	23713 12 3.	182680
Concrete Block Laying	714 6 7.	1410 14 5.	2691 12 10.	2691 12 12.	306580
Lighthouse					3000
Extra Rubble					10000
Concrete Blockmaking for					
North & South Pass	7203 7 9.	5981 7 6.	193295 12 3.	193295 12 3.	200100

~~20~~

Cost for Cost to end
December 1877. December 1877. Total Cost. Estimate. Remarks.

35845 3 11. 13665 7 9 7. 13665 7 9 7.

27 7 4. 10139 7 2.
27 9 8. 1573 8.
184 7 10. 18265 6 3. 121422 1. 245690
91 2.

632 1 11. 12938 4 9.
7845 9 9. 20803 5 6. 245690

39452 6. 1508796 15 2. 1508796 15 2.
404 9 7. 404 9 7.

38646 3 8. 1509201 8 9. 1509201 8 9.

A. H. Morowgood.
Supt. Madras Harbor Works.

No. 6877.

From

The SUPERINTENDENT,

MADRAS HARBOUR WORKS.

To

Colonel C. A. Ford, R. E.

Secretary to Government P.W. Dept.

Buildings & Roads Branch.

Madras, 17th January 1878.

Sir,

I With reference to my letter No. 6617, dated 1st instant. I have the honor to forward the statement of expenditure on these works for the month of December 1877.

I have the honor to be,
Sir,

Yours most Obedt Servt.

A. H. Morowgood.

Superintendent

M. H. Works

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1878) Madras.
PUBLIC WORKS.

To
THE SUPERINTENDENT, MADRAS,
HARBOUR WORKS.

&c. &c. &c.

Dated January 23rd.

Issued

Recd.

Encl.

G. O., 23rd January 1878, No. 207 W.

JANUARY.

Nos 228-229.

Madras Harbour Works.—Statement of
expenditure on the — during December
1877, recorded.

397
7

Copy 1

Govt. of 1878: Madras
PUBLIC WORKS.

To *The Capt. R. Hunter*

Dated
Issued
Recd.

Encl.

G. O. 23 Jan 1878. No. 397 W

No.

Madras Harbour Works

Statement of expenditure
on the — during Decr 1877
recorded.

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