

(1) Number of pages 12.
(2) Date of repair 3. 11. 86
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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No.	631 W	Press.
B.P. No.		Mis.
Dated	3. 3. 1879	

Long

Not to be folded or roughly handled

631/1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

3rd March 1879, No. 631 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 22. From F. N. THOROWGOOD, Esq., Superintendent of the Madras Harbour Works, to the Acting Secretary to Government, Public Works Department, Buildings and Roads, dated Madras, 21st February 1879, No. 70 W.

I HAVE the honor to forward the Statement of Expenditure on these works for the month of January 1879.

Outlay on Madras Harbour Works up to 31st January 1879.

Heads of Estimate.	Cost for December 1878.	Cost for January 1879.	Cost to end of January 1879.	Total Cost.	Estimate.	Remarks.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
PRELIMINARY WORKS.			4,631 2 6			
Detailed survey, taking sections, soundings, &c.	113 1 0	..	..	11,039 4 8	5,000	Charges against peri- odical sur- veys are now included un- der "Estab- lishment."
Marine survey ..	126 2 6	..	6,408 2 2			
Railways— Halls, &c., from England.	..	..	1,38,698 14 11			
Sleepers ..	..	..	38,402 7 5	2,47,121 14 5	1,50,000	
Formation ..	..	..	65,187 0 7			
Materials purchased by Madras Railway Com- pany.	..	..	833 7 6			
Opening quarries ..	..	..	2,432 14 8	2,432 14 8	10,000	
Preparing block-ground	1,843 14 4	..	61,139 1 9	61,139 1 9	65,000	
Jetties for loading stone.	1,835 13 2	..	1,922 2 10	1,922 2 10	45,000	
Buildings ..	63 0 7	127 14 2	62,132 18 9	62,132 18 9	75,000	
Land ..	..	..	1,220 6 4	1,220 6 4	30,000	
Plant.						
Locomotive engines ..	..	..	44,401 3 8	44,401 3 8	60,000	
Rolling stock ..	87 14 0	..	20,034 11 10	20,034 11 10	65,000	
Floating plant ..	1,058 11 0	..	1,43,634 8 3	1,43,634 8 3	1,45,000	
Machinery cranes, &c.	400 2 19	..	2,67,365 14 2	2,67,365 14 2	1,25,000	
Quarry and general tools.	27 6 3	..	32,778 6 3	32,778 6 3	50,000	
Recovery ..	0 3 0	..	716 10 9	716 10 9	2,000	
Buoys and beacons ..	20 12 0	..	4,029 14 9	4,029 14 9	2,000	
Office furniture ..	..	..	..	..	..	
CONSTRUCTION OF PIERS.						
North Pier.						
Surf bank ..	..	..	1,74,815 14 11	1,74,815 14 11	2,37,150	
Rubble base ..	19,533 8 9	18,822 8 0	1,79,659 10 11	1,79,659 10 11	4,82,689	
Recovery ..	291 14 0	..	65,309 14 0	65,309 14 0	3,06,500	
Concrete block-setting ..	2,841 4 5	4,240 12 8	..	..	30,000	
Light-house ..	..	..	1,770 5 10	1,770 5 10	1,00,000	
Extra rubble ..	..	..	..	..	..	

Outlay on Madras Harbour Works up to 31st January 1879—continued.

Heads of Estimate.	Cost for December 1878.	Cost for January 1879.	Cost to end of January 1879.	Total Cost.	Estimate.	Remarks.
<i>South Pier.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
Surf bank .. ..	.. ..	.. ..	67,327 9 3	67,327 9 3	2,37,180	
Rubble base	4,956 9 7	5,992 4 5	1,17,549 11 7	1,17,549 11 7	4,82,680	
Recovery	200 0 0	.. ..	.. ..	.. ..	.. ..	
Concrete block-setting..	2,183 10 9	4,188 8 5	32,843 8 5	32,843 8 5	3,00,500	
Light-house .. ..	.. ..	.. ..	.. ..	.. ..	20,000	
Extra rubble .. ..	.. ..	.. ..	.. ..	.. ..	1,30,000	
Concrete block making for North and South Piers.	46,608 10 11	32,874 8 5	5,27,238 14 9	5,27,238 14 9	20,01,000	
Recovery	14 15 6	126 4 0	.. ..	.. ..	.. ..	
<i>ESTABLISHMENT.</i>						
Salaries	4,333 1 2	2,922 10 9	1,50,819 10 3	1,50,819 10 3	2,45,000	This sub- head in- cludes some charges for the periodi- cal surveys.
Office contingencies ..	19 3 2	6 12 0	2,531 12 2	2,531 12 2	.. ..	
Travelling allowances ..	.. ..	284 10 0	21,015 7 8	21,015 7 8	.. ..	
Medical	64 15 8	13 12 0	331 15 8	331 15 8	.. ..	
Surveys .. ..	.. ..	267 4 5	267 4 5	267 4 5	.. ..	
<i>CONTINGENCIES.</i>						
Protective works north of Harbour.	3,054 8 0	2,831 1 0	23,827 9 8	23,827 9 8	5,45,000	
Other contingencies ..	1,700 0 10	4,982 2 5	37,556 15 7	37,556 15 7	.. ..	
Maintenance .. ..	.. ..	.. ..	.. ..	.. ..	2,17,000	
<i>STOCK.</i>						
Cement and other stores on stock.	5,772 9 8	26,488 11 3	1,13,718 5 1	1,13,718 5 1	.. ..	
Total	90,011 8 9	1,09,797 5 4	21,35,516 10 4	21,35,516 10 4	.. ..	

MADRAS,
21st February 1879.(Signed) F. N. THOROWGOOD,
Superintendent, Madras Harbour Works.

No. 23. ORDER THEREON, 3rd March 1879, No. 631 W.

ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.To the Superintendent, Madras Harbour Works.
" Examiner of Public Works Accounts.Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS
CIVIL WORKS
Govt. of (1879) Madras.
PUBLIC WORKS.

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.
Secy. Secy. Secy.

Dated March 3rd.

Issued

Recd.

Encl.

G. O., 3rd March 1879, No. 681 W.

MARCH

No. 22-23

Madras Harbour Works.—Statement of
expenditure on the — for January 1879.
Recorded

No. 70 W.

631/3

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

To

Colonel J. H. M. Shaw-Stewart, R. E.
Acting Secretary to Government,
Public Works Department,
MADRAS, 21st February 1879.

Sir,

I have the honor to forward the
Statement of Expenditure on these works
for the month of January 1879.

Yours the honor to be,

Sir

Your most obedt Servt.

J. H. M. Shaw-Stewart,
Superintendent
Madras Harbour Works.

N^o 631 W of 3rd March 1879

Recorded

Buildings & Roads

From the Superintendent
Madras Harbour

Supt. M. S. Warkentin

E. S. A. S.

2nd Feb 1879

17

N^o 40 W
Dated 21st February 1879

Recd. 24th

No of Invoices

Expenditure of

Submits Statement

W. H. and

Ans 25/2

Outlay on Madras Harbour Works to 31st January 1879.

Heads of Estimate	Cost for December 1878	Cost for January 1879	Cost to end January 1879	Cost Estimate	Remarks
PRELIMINARY WORKS					
Detailed Survey taking Sections	113 1		4,634 21	1039 48	Charges against periodical surveys are now included under "Establishment"
Soundings " " "			6,602 22		
Marine Survey	126 2 6			5,000	
Rackways			13,864 10		
Rails " from England			39,402 7 8	2,721 12 5	150,000
Sheepers			1,918 7		
Formations			833 7 6		
Materials purchased by M. H. Co.			2,432 14 8	10,000	
Opening Quarries			5,113 1 9	1,139 1 9	65,000
Preparing Block Ground	18,434 4		19,222 2 10	1,222 2 10	45,000
Yards for loading Stone	18,333 15 2		62,132 13 9	1,220 6 4	75,000
Buildings	63 7	127 14 2	1220 6 4		30,000
Land			4,441 3 8		60,000
PLANT					
Locomotive Engines			22,234 11 10	1,003 4 11 10	35,000
Rolling Stock	67 14		16,353 4 8 3	1,534 8 3	145,000
Floating Plant	10,554 11		267,365 14 2	1,736 5 14 2	125,000
Machinery Cranes " "	400 2 10		32,778 6 3	2,778 6 3	50,000
Quarry and General Tools	27 5 3		716 10 9	716 10 9	3,000
Bags and Reams	20 13		402 9 14 9	402 9 14 9	2,000
Office Furniture			17,515 14 11	1,415 14 11	237,180
CONSTRUCTION OF PIERS					
North Pier					
Surf Bank	19,533 8 9	15,522 8	17,965 9 10 1	1,965 9 10 1	1,82,680
Rubble Base	2,841 4 5	4,240 12 8	65,309 14	1,309 14	306,500
Concrete Block-sitting					30,000
Lighthouse			1770 5 10	1,770 5 10	100,000
Extra Rubble					
South Pier					
Surf Bank	4,956 9 7	5,902 4 5	47,029 11 7	47,029 11 7	1,82,680
Rubble Base	2,103 10 4	4,188 5 6	32,863 8 6	32,863 8 6	306,500
Concrete Block-sitting					30,000
Lighthouse					100,000
Extra Rubble					
Concrete Block-making for N & S Piers					
	40,000 10 11	32,574 8 8	567,238 14 9	567,238 14 9	2,000,000
Carried over					
	7,206 9 7	6,600 4 5	209,635 9 10	209,635 9 10	

Cost for Contract and
Summary of Summary 1879 Total Cost Estimate Remarks.

7 6630 4 5 2096385 9 10 2096385 9 10

2 2922 10 9 159870 10 3
3 6 12 2631 12 2
254 10 21016 7 8 } 175058 2 2 245690 Surveys
3 13 12 331 15 8
267 4 5 267 4 5

This sub-head includes
some charges for the periodical

2831 1 23827 9 8
10 4982 3 6 27656 15 7 } 51484 9 3 245690
245690

8 26488 11 3 113718 5 1 113718 5 1

9 103797 5 4 243664 6 10 4 243664 6 10 4

J. J. Harrowood.
Superintendent Madras Harbour Works.

✓
Ct. 1878
Oct. of 1879 Madras.
PUBLIC WORKS.

To
Dated

Issued

Recd.

Encl.

3
4/13/79
G. O. 3 March 1879, No. 6316

Nos. 21-22

Madras Revenue Works
Statement of expenditures
on the — for Jan'y 1879
Recorded.