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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works. DEPARTMENT

G.O. No.	289	W.	Press.
B.P. No.			Mis.
Dated	24. 1. 1879.		197.

Not to be folded or roughly handled

289
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

24th January 1879, No. 289 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 244. From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads, dated Madras, 16th January 1879, No. 59 W.

I HAVE the honor to forward the statement of expenditure on the works for the month of December 1878.

Outlay on Madras Harbour Works up to 31st December 1878.

Heads of Estimate.	Cost for November 1878.	Cost for December 1878.	Cost to end of December 1878.	Total Cost.	Estimate.	Remarks.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
PRELIMINARY WORKS.						
Detailed survey, taking sections, soundings, &c.	75 9 0	113 1 0	4,631 2 6	11,039 4 8	5,000	
Marine survey Recovery ..	195 12 8	126 2 6	6,408 2 2			
Railways—	58 2 9	..	..			
Rails from England.	..	..	1,38,698 14 11	2,47,121 14 5	1,50,000	
Sleepers	17 0 0	..	39,492 7 5			
Formation	..	..	68,187 0 7			
Materials purchased from Madras Railway Company.	..	..	833 7 6			
Opening quarries ..	..	..	2,432 14 8	2,432 14 8	10,000	
Preparing block-ground.	1,360 4 7	1,843 14 4	51,139 1 9	51,139 1 9	65,000	
Jetties for loading stone.	27 14 4	1,833 13 2	1,922 2 10	1,922 2 10	45,000	
Buildings ..	845 10 9	63 0 7	62,004 15 7	62,004 15 7	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 ..	731 14 8	67 14 0	20,034 11 10	20,034 11 10	35,000	
Floating plant ..	103 1 0	1,058 11 0	1,43,534 8 3	1,43,534 8 3	1,45,000	
Machinery, cranes, &c.	366 9 8	400 2 19	2,67,365 14 2	2,67,365 14 2	1,26,000	
Quarry and general tools.	87 8 9	27 5 3	32,778 6 3	32,778 6 3	50,000	
Recovery ..	0 3 0	0 3 0	..	..	..	
Buoys and beacons ..	..	..	716 10 9	716 10 9	3,000	
Office furniture ..	2 0 0	20 13 0	4,029 14 9	4,029 14 9	2,000	

Outlay on Madras Harbour Works up to 31st December 1878—continued.

Heads of Estimate.	Cost for November 1878.	Cost for December 1878.	Cost to end of December 1878.	Total Cost.	Estimate.	Remarks.
CONSTRUCTION OF PIERS.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
North Pier.						
Surf bank ..	22,502 2 6	19,533 3 9	1,74,815 14 11	1,74,815 14 11	2,37,180	
Rubble base ..	200 8 0	291 14 0	1,60,837 2 11	1,60,837 2 11	4,82,680	
Concrete block setting ..	3,943 6 3	2,841 4 5	61,069 1 4	61,069 1 4	3,06,500	
Light-house ..	4 12 0				30,000	
Extra rubble ..			1,770 5 10	1,770 5 10	1,00,000	
South Pier.						
Surf bank ..	5,521 8 3	4,956 9 7	67,327 9 3	67,327 9 3	2,37,180	
Rubble base ..	71 0 10	200 0 0	1,11,647 7 2	1,11,647 7 2	4,82,680	
Concrete block setting ..	2,664 9 7	2,183 10 9	23,655 0 0	23,655 0 0	3,06,500	
Light-house ..	4 12 0				30,000	
Extra rubble ..					1,00,000	
Concrete block making for North and South Piers.	27,216 3 5	40,503 10 11	5,34,490 10 1	5,34,490 10 1	20,01,000	
Recovery ..	14 13 0	14 15 6				
ESTABLISHMENT.						
Salaries ..	2,828 9 10	4,333 1 2	1,47,887 15 6	1,47,887 15 6	2,45,590	
Office contingencies ..	159 4 3	19 3 3	2,625 0 2	2,625 0 2		
Travelling allowances ..	230 0 3		20,761 13 8	20,761 13 8		
Medical ..		64 15 3	318 3 8	318 3 8		
CONTINGENCIES.						
Protective works north of Harbour ..	3,281 14 11	3,054 8 0	20,596 8 8	20,596 8 8	2,45,590	
Other contingencies ..	473 6 8	1,700 9 10	22,674 12 1	22,674 12 1		
Recovery ..	20 10 8					
Maintenance ..					2,45,590	
Stock.						
Materials at site for specific works.						
Recovery ..	6,349 15 1					
English Portland Cement and other General Stores on Stock.	15,963 4 5	5,772 0 8	85,708 8 0	85,708 8 0		
Total ..	81,577 14 5	90,011 8 9	23,31,328 3 2	23,31,328 3 2		

MADRAS,
16th January 1879.

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

No. 245.

ORDER THEREON, 24th January 1879, No. 289 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. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1879) Madras.
PUBLIC WORKS.

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

&c., &c., &c.

Dated January 24th.

Issued

Recd.

Encl.

G. O., 24th January 1879, No. 289 W.

JANUARY.

Nos. 244-245.

Madras Harbour Works.—Statement of
expenditure on the — for December 1878
recorded.

No. 57 IV

P1
289
3

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

To

Colonel E. A. Ford, R.E.
Secretary to Government P.W. Dept.
Buildings & Roads
Madras, 16 January 1879.

SIR,

I have the honor to forward the
Statement of Expenditure on the works for
the month of December 1878.

I have the honor to be,
Sir,

Your most obedient servant
J. N. Harrowood,
Superintendent
M. H. Works

22/4

No 2894 of 24 Jan 79
 Recorded
 27/1

Buildings & Roads
 From
 The Superintendent
 Madras Harbour Works

No 5911
 Dated 16th January 1879

No of Enclosures 1

Cire

In D. S. Cunningham
 Esq. from the

Expenditure

Forwards Statement of
 for December 1878

With order

Sgt. A. S. Barker
 Esq. P. W. A. S.

17
 Dec 7-2-79

On 17.1. RC 90-1-79.

Outlay on Madras Harbour Works up to 31st December 1878.

Heads of Estimate	best for November 1878	best for December 1878	best to end of December 1878	Total best Estimate	Remarks
PRELIMINARY WORKS					
Detailed Survey taking sections					
Soundings	75 9	113 1	4681 2 6	11039 4 8	5000
Marine Survey	195 12 8	126 2 6	6408 2 2		
Railways					
Tracks from England	"	"	138498 14 11		
Shops	17	"	24402 7 5	247121 16 5	150000
Formation	"	"	68187 7		
Materials purchased from the Govt.	"	"	833 7 6		
Opening Quarries			2432 14 8	2432 14 8	10000
Preparing Block Ground	1360 14 7	1428 14 4	51139 1 9	51139 1 9	15000
Grates for loading stone	27 14 4	1428 14 2	1922 2 10	1922 2 10	15000
Buildings	815 10 9	63	62004 15 7	62004 15 7	75000
Land			1250 6 11	1250 6 11	30000
PLANT					
Locomotive Engines			14401 3 8	14401 3 8	60000
Rolling Stock	731 14 8	67 14	20034 11 10	20034 11 10	35000
Heating Plant	103 1	1033 11	142536 8 8	142536 8 8	145000
Machinery, Locomotives &c.	366 9 8	100 2 10	267365 14 2	267365 14 2	125000
Quarries and General Tools	87 8 9	27 5 5	32778 6 3	32778 6 3	5000
Buoys and Beacons	"	"	716 10 9	716 10 9	2000
Office Furniture	2	20 10	1429 14 9	1429 14 9	5000
CONSTRUCTION OF PIERS					
North Pier					
Surf Bank			174510 14 11	174510 14 11	237180
Rubble Base	2252 2 6	19533 8 9	16857 2 11	16857 2 11	1422650
Concrete Block setting	3628 6 8	2811 4 5	61064 1 11	61064 1 11	346500
Light house					30000
Extra Rubble			1170 5 10	1170 5 10	100000
South Pier					
Surf Bank			4227 9 3	4227 9 3	237180
Rubble Base	5521 8 3	4966 9 7	111647 7 2	111647 7 2	1422650
Concrete Block setting	2664 9 7	2183 10 9	28055	28055	340000
Light house					100000
Extra Rubble					100000
Concrete Block making for the Pier	27216 3 5	10503 10 11	534490 10 1	534490 10 1	2341000
Carriageway	6501 15 10	7506 9 7	2030355 5 5	2030355 5 5	

Heads of Estimate	Cost for December 1878	Cost for December 1878	Cost for 2nd December 1878	Total Cost	Estimate	Remarks
Brought forward	6500 15 10	7000 9 7	2030355 5 5	2030355 5 5		

ESTABLISHMENT

Salaries	2529 9 10	4333 1 2	117387 15 6	} 171593 1	245690
Office Contingencies	159 4 8	19 3 3	2625 . 2		
Travelling Allowances	230 . 3	..	20701 13 8		
Medical	..	64 15 8	318 3 8		

CONTINGENCIES

Protective Works North of Harbour	2281 14 11	2054 5 .	20996 5 8	} 12678 4 9	245690
Other Contingencies	473 6 8	1700 9 10	22674 12 1		
Maintenance	..	..	..	..	245690

STOCK

Materials & etc for specific works	71904 4 1	34738 15 1	2245609 11 2	2245609 11 2
English Portland cement and other	..	..	..	..
General Stores on stock	15962 4 5	6212 9 8	85708 8 .	85708 8 .
Total	87866 14 5	40850 8 9	2331328 3 2	2331328 3 2

Made
16 January 1879

J. H. Morowood.
Superintendent
in Harbour Works

Cell
161

520
Govt. of Madras.
PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

27-1-79
G. O. 24 Jan 1879. N. 209 W

Nos. 244-245

Madras Harbour Works
Statement of expenditure
on the — for Dec 1878
ended