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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU
Public Works DEPARTMENT

G.O. No.	4829 W	Press.
B.P. No.		Mis.
Dated 21. 12. 1878		197.

MT

Not to be folded or roughly handled

4829
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

21st December 1878, No. 4,829 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 232. From F. N. THOROWGOOD, Esq., Superintendent of the Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 13th December 1878, No. 50 W.

I HAVE the honor to forward the statement showing the expenditure on these works during the month of November 1878.

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

Heads of Estimate.	Cost for October 1878.	Cost for November 1878.	Cost to end of November 1878.	Total Cost.	Estimate.	Remarks.
PRELIMINARY WORKS.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
Detailed survey, taking sections, soundings, &c., &c.	81 7 0	75 9 0	4,518 1 6	10,300 1 2	5,000	
Marine survey ..	225 10 4	195 12 8	6,281 15 8			
Recovery ..	..	58 2 9	..	..	..	
Railways—						
Rails from England.	..	..	1,38,698 14 11	2,47,121 14 6	1,50,000	
Sleepers ..	..	17 0 0	39,462 7 5			
Formation ..	..	..	68,197 0 7			
Materials purchased from Madras Railway Company.	833 7 6	..	833 7 6			
Opening quarries ..	..	..	2,432 14 8	2,432 14 8	10,000	
Preparing block-ground.	2,902 15 5	1,360 4 7	49,295 8 5	49,295 8 5	55,000	
Jetties for loading stone.	5 0 0	27 14 4	88 6 8	88 6 8	45,000	
Buildings ..	791 8 0	845 10 9	61,941 15 0	61,941 15 0	75,000	
Land ..	..	..	1,320 6 4	1,229 6 4	30,000	
PLANT.						
Locomotive engines ..	7 9 0	..	44,401 3 8	44,401 3 8	60,000	
Rolling stock ..	1,236 15 11	731 14 8	19,936 13 10	19,936 13 10	35,000	
Floating plant ..	1,034 4 7	163 1 0	1,42,475 13 3	1,42,475 13 3	1,45,000	
Machinery, cranes, &c.	23 15 5	366 9 8	2,66,965 11 4	2,66,965 11 4	1,25,000	
Quarry and general tools.	213 6 3	87 8 9	32,751 4 0	32,751 4 0	50,000	
Recovery ..	0 2 0	0 3 0	..	..	..	
Buoys and beacons ..	..	..	716 10 9	716 10 9	3,000	
Office furniture ..	27 12 0	2 0 0	4,009 1 9	4,009 1 9	2,000	

4822
2

2

PUBLIC WORKS DEPARTMENT, 21ST DECEMBER 1878, No. 4,829 W.

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

Heads of Estimate.	Cost for October 1878.	Cost for November 1878.	Cost to end of November 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 ..	13,353 7 10	22,502 2 6	1,74,815 14 11	1,74,815 14 11	2,37,180	
Rubble base ..	77 0 0	200 8 0	1,41,596 8 2	1,41,596 8 2	4,82,680	
Recovery ..	3,081 2 3	5,648 6 3	58,227 12 11	58,227 12 11	3,06,500	
Concrete block setting ..		4 12 0			30,000	
Light-house ..			1,770 5 10	1,770 5 10	1,00,000	
Extra rubble ..						
South Pier.						
Surf bank ..	1,052 6 3	5,521 8 3	67,327 9 3	67,327 9 3	2,37,180	
Rubble base ..	6,025 10 1	71 0 10	1,06,890 13 7	1,06,890 13 7	4,82,680	
Recovery ..	2,216 6 1	2,684 9 7	26,471 5 3	26,471 5 3	3,06,500	
Concrete block setting ..		4 12 0			30,000	
Light-house ..					1,00,000	
Extra rubble ..						
Concrete block making for North and South Piers.	27,950 13 6	27,216 3 5	4,94,001 14 8	4,94,001 14 8	20,91,000	
Recovery ..	19 10 0	14 13 0				
ESTABLISHMENT.						
Salaries ..	2,851 7 7	2,828 9 10	1,43,554 14 4	1,43,554 14 4	2,45,690	
Office contingencies ..	104 5 6	159 4 3	2,605 12 11	2,605 12 11		
Travelling allowances ..	209 12 4	230 0 3	20,731 13 8	20,731 13 8		
Medical ..	4 8 0		253 4 5	253 4 5		
Recovery ..	4 8 0					
CONTINGENCIES.						
Protective works north of Harbour.	2,642 10 3	3,281 14 11	17,942 0 8	17,942 0 8	35,916 2 11	2,45,590
Other contingencies ..	476 15 0	473 6 8	20,974 2 3	20,974 2 3		
Recovery ..	60 5 4	20 10 8				
Maintenance ..					2,45,690	
VALUE OF MATERIALS AT SITE.	67,091 14 9	71,964 9 1	21,61,390 12 1	21,61,390 12 1		
Materials at site for specific works.						
Recovery ..		6,349 15 1				
English Portland Cement and other General Stores on Stock.	7,093 13 6	15,963 4 5	1,12,283 4 9	1,12,283 4 9		
Total ..	74,190 12 3	81,577 14 5	22,73,664 0 10	22,73,664 0 10		

The balance against this head has been removed and included in the item "General Stores on Stock."

MADRAS,
13th December 1878.

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

No. 233.

ORDER THEREON, 21st December 1878, No. 4,829 W.

ORDERED to be recorded.

(True Extract.)

To the Superintendent, Madras Harbour Works.
Examiner of Public Works Accounts.
Exd. C. Hewarth.
Spars Copies

Colonel, R.E.,
Secretary to Govt., P.W.D.

PUBLIC WORKS DEPARTMENT, 21ST DECEMBER 1878, No. 4,829 W.

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

Heads of Estimate.	Cost for October 1878.	Cost for November 1878.	Cost to end of November 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 ..	13,353 7 10	22,502 2 6	1,74,815 14 11	1,74,815 14 11	2,37,180	
Rubble base ..	77 0 0	200 8 0	1,41,595 8 2	1,41,595 8 2	4,82,680	
Concrete block setting ..	3,081 2 3	8,648 6 3	58,227 12 11	58,227 12 11	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 ..	1,052 6 3	5,521 8 3	67,327 9 3	67,327 9 3	2,37,180	
Rubble base ..	6,025 10 1	71 0 10	1,06,890 13 7	1,06,890 13 7	4,82,680	
Concrete block setting ..	2,216 6 1	2,604 9 7	26,471 5 3	26,471 5 3	3,06,500	
Light-house ..	..	4 12 0	..	..	30,000	
Extra rubble ..	..	..	..	..	1,00,000	
Concrete block making for North and South Piers.	27,950 13 6	27,216 3 5	4,94,001 14 8	4,94,001 14 8	20,01,000	
Recovery ..	19 10 0	14 13 0	..	..	..	
ESTABLISHMENT.						
Salaries ..	2,851 7 7	2,828 9 10	1,42,554 14 4	1,42,554 14 4	2,45,690	
Office contingencies ..	104 5 6	159 4 3	2,605 12 11	2,605 12 11	..	
Travelling allowances ..	209 12 4	230 0 3	20,751 13 8	20,751 13 8	..	
Medical ..	4 8 0	..	253 4 6	253 4 6	..	
Recovery ..	4 8 0	..	..	..	..	
CONTINGENCIES.						
Protective works north of Harbour.	2,542 10 3	3,281 14 11	17,942 0 8	17,942 0 8	..	
Other contingencies ..	478 15 0	473 5 3	20,974 2 3	20,974 2 3	36,916 2 11	2,45,690
Maintenance ..	60 5 4	20 10 8	..	..	..	2,45,690
VALUE OF MATERIALS AT SITE.	67,091 14 9	71,954 9 1	21,51,390 12 1	21,51,390 12 1	..	
Materials at site for specific works.	..	..	..	..	..	
Recovery ..	..	6,349 15 1	..	..	..	
English Portland Cement and other General Stores on Stock.	7,093 13 6	15,963 4 5	1,12,283 4 9	1,12,283 4 9	..	The balance against this head has been removed and included in the item "General Stores on Stock."
Total ..	74,190 12 3	81,577 14 5	22,73,664 0 10	22,73,664 0 10	..	

MADRAS,
13th December 1878.(Signed) F. N. THOROWGOOD,
Superintendent, Madras Harbour Works.

No. 233.

ORDER THEREON, 21st December 1878, No. 4,829 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. C. Howarth.
Spars Copies4829
2

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1878) Madras.
PUBLIC WORKS.

To
THE SUPERINTENDENT, MADRAS
HARBOUR WORKS
&c. &c. &c.

Dated December 21st.

Issued

Recd.

Encl.

G. O., 21st December 1878, No. 4,329 W.

DECEMBER.

Nos. 230-231.

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

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

Heads of Estimate

Cost for
October 1878.

Cost for
November
1878.

Cost by road
November 1878.

Total Cost

Estimate

Remarks.

PRELIMINARY WORKS

Estimated Survey, taking Sections

Soundings &c. &c.

81 7 .

75 9 .

1518 1 6

10500 1 2 5000

General Survey

275 10 4

195 12 8

6291 15 8

Railways

Rails from England

" " "

" " "

132698 14 11

Shops

" " "

17 .

39402 7 5

Formation

" " "

" " "

63187 . 7

Materials purchased from M.R. Co.

833 7 6

" " "

833 7 6

Opening Quarries

" " "

" " "

2432 14 8

2432 14 8

10000

Preparing Block Ground

2902 15 5

1360 11 7

49295 2 5

49295 2 5

65000

Settles for loading Stone

5 .

27 14 4

59 5 8

59 5 8

145000

Buildings

791 8 .

815 10 9

61941 15 .

61941 15 .

75000

Land

" " "

" " "

1220 6 4

1220 6 4

25000

PLANT

Locomotive Engines

7 9 .

" " "

44401 3 8

44401 3 8

60000

Rolling Stock

1236 15 11

721 14 8

14966 13 10

14966 13 10

25000

Planting Plant

1034 11 7

103 1 .

112475 13 3

112475 13 3

145000

Machinery Engines &c.

23 15 5

366 9 8

266465 11 4

266465 11 4

125000

Survey and General Tools

213 6 3

47 8 9

32751 11 .

32751 11 .

50000

Rails and Brackets

" " "

" " "

716 10 9

716 10 9

8000

Office Furniture

27 12 .

9 .

1009 1 9

1009 1 9

2000

CONSTRUCTION OF PIERS

North Pier

Surf Bank

" " "

" " "

174815 14 11

174815 14 11

237180

Rubble Base

13353 7 10

22502 2 6

141595 8 2

141595 8 2

1427630

Concrete Block sitting

2091 2 3

3645 6 3

59227 12 11

59227 12 11

306500

Wharf

" " "

" " "

" " "

" " "

30000

Base Rubble

" " "

" " "

1770 5 10

1770 5 10

100000

South Pier

Surf Bank

1052 6 3

" " "

67327 9 3

67327 9 3

237180

Rubble Base

1250 10 1

5632 4 3

106320 12 7

106320 12 7

1427630

Concrete Block sitting

2266 1

2664 9 7

2671 5 3

2671 5 3

306500

Wharf

" " "

" " "

" " "

" " "

30000

Base Rubble

" " "

" " "

" " "

" " "

100000

Cost for Stock to end of November 1878. Total Cost Estimated Remarks

15911 15 10 1955298 11 10 1955288 11 10

2428 9 10	143551 14 4	}	167175 13 14	2155690
159 4 3	2605 12 11			
230 - 3	20761 13 8			
...	250 14 5			

5251 14 11	11942 - "	}	38916 2 11	2155690
473 6 8	20976 2 3			

71964 9 8 2161380 12 1 2161380 12 1

The balance against this head has been removed and included in the item "Stores on Stock"

81577 14 5 2273666 10 2273666 10

J. H. Mowgood.
Superintendent
M. Harbour Works

Cd
13/12

No. 50W

4823

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS,

To Colonel G. A. Ford, R. E.
Secretary to Government, P.W. Dept.
Buildings & Roads,
Madras
MADRAS, 13th December 1878.

SIR,

I have the honor to forward the statement showing the expenditure on these works during the month of November 1878.

I have the honor to be,
Sir

Your most obedient servant
J. H. Mowgood.
Superintendent
Madras Harbour Works

4829
6

13916
Buildings & Roads

From The Superintendent
Madras Harbour Works

N. 50 W
Dated 13th December 1878

No of Enclosures 1 B & R
in 11 letters

N^o 4829 Wa/21st Dec/78
Recorded

cat
10/12

Supt. Mr. A. H. H. 13
Ex. S. H. L. 13
Expenditure 9-1-79

Submits statement of - for the
month of November 1878.

Go. 25 Nov: 1878 No 4490 W.

Cn 3916

Govt. of (1878) Madras.

PUBLIC WORKS.

To

The Superintendent, Madras

Dated

Madras 10/12/78

Issued

Recd.

Encl.

G. O. 21 Dec 1878. No. 48796

Nos. 232 - 233

*Madras Harbour Works
Statement of expenditure
on the — for year 1878.
Recorded.*