

(1) Number of pages 14
(2) Date of repair 11-7-86
(3) Initials of the Referencer (CW)

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public works DEPARTMENT

G.O. No.	925 (W)	Press.
B.P. No.		Mis.
Dated	25-2-1878	197

245

Not to be folded or roughly handled.

92-5

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

25th February 1878, No. 925 W.

Buildings and Roads.

Civil Works.

Read the following paper :—

No. 281. From F. N. THOROWGOOD, Esq., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Buildings and Roads Branch, dated Madras, 18th February 1878, No. 77 W.

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

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

Heads of Estimate.	Cost for December 1877.	Cost for January 1878.	Cost to end of January 1878.	Total Cost.	Estimate.	Remarks.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
<i>Preliminary Works.</i>						
Detailed surveys, taking section, soundings, &c., &c.	134 7 9	125 1 6	3,613 12 11	8,223 4 4	6,000	This sum of Rs. 6,089-2-11 has been transferred from "Marine Survey" to "Floating Plant." It represents the cost of a steam launch which is now become in reality "Floating Plant."
Marine survey	31 12 8	95 13 4	4,609 7 5			
Recovery		6,089 2 11				
<i>Railways—</i>						
Rails from England			1,38,403 7 8	2,45,244 4 8	1,50,000	
Sleepers			39,395 7 5			
Formation	337 13 9	15 6 10	67,455 5 7			
<i>Plant.</i>						
Opening quarries	204 15 5	8 7 0	2,371 4 5	2,371 4 5	10,000	
Preparing block ground.	337 1 5		42,576 12 2	42,576 12 2	65,000	
Jetties for loading stone					45,000	
Buildings	2,637 0 10	310 15 4	56,309 8 0	56,309 8 0	76,000	
Land					30,000	
<i>Plant.</i>						
Locomotive engines	305 15 7	778 2 4	44,314 13 6	44,314 13 6	60,000	
Rolling stock	108 10 7	79 6 9	12,136 13 0	12,136 13 0	35,000	
Floating plant	84 0 3	6,238 2 11	1,39,306 12 11	1,39,306 12 11	1,45,000	
Machinery, cranes, &c.	8,744 13 3	552 2 8	2,56,194 13 1	2,56,194 13 1	1,25,000	
Quarry and general tools	1,450 8 7	597 15 6	27,504 4 9	27,504 4 9	60,000	
Recovery		80 10 0				
Buoys and beacons, &c.			651 15 7	651 15 7	3,000	
Office furniture	12 4 1	1 9 6	3,971 9 5	3,971 9 5	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	2,37,180	
Rubble lase	1,653 5 9	2,226 13 11	43,230 13 4	43,230 13 4	4,82,680	
Concrete block-setting	4,009 15 4	3,559 13 6	30,786 13 1	30,786 13 1	3,06,500	
Light-house					30,000	
Extra rubble			1,770 5 10	1,770 5 10	1,00,000	

Outlay on Madras Harbour Works up to 31st January 1878—(Continued).

Heads of Estimate.	Cost for December 1877.	Cost for January 1878.	Cost to end of January 1878.	Total Cost.	Estimate.	Remarks.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.	
Construction of Piers— (Contd.)						
<i>South Pier.</i>						
Surf bank ..	1,941 12 11	224 3 7	66,105 1 0	66,105 1 0	2,37,180	
Rubble base ..	5,436 7 8	3,621 14 1	27,335 6 8	27,335 6 8	4,82,680	
Recovery ..		0 3 8				
Concrete block setting.	1,410 14 5	2,154 4 11	4,846 1 9	4,846 1 9	3,06,500	
Light-house ..					30,000	
Concrete block-making for North and South piers.	6,981 7 8	13,110 8 9	2,06,406 5 0	2,06,406 5 0	20,01,000	
<i>Establishment.</i>						
Salaries ..	2,767 5 4	9,864 11 11	1,11,262 3 1			
Office Contingencies ..	27 9 0	94 15 6	1,753 4 2			
Recovery ..	4 11 6	14 12 0				
Travelling allowances ..	184 7 10	137 15 0	18,393 5 3	1,31,536 5 0	2,45,690	
Medical ..		31 6 6	122 8 6			
<i>Contingencies at 5 per cent. on Total Estimate.</i>						
Prince of Wales' visit and other contingencies.	632 1 11	339 4 2	13,277 8 11			
Protecting North Beach.			7,865 0 9	21,142 9 8	2,45,690	
Materials at site—	39,452 0 6	37,985 0 11	15,46,782 0 1	15,46,782 0 1		
Recovery ..	805 12 10		404 9 7	404 9 7		
Total ..	38,646 3 8	37,985 0 11	15,47,186 9 8	15,47,186 9 8		

MADRAS,
18th February 1878.(Signed) F. N. THOROWGOOD,
Supt., Madras Harbour Works.

No. 282.

ORDER THEREON, 25th February 1878, No. 925 W.

ORDERED to be recorded.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.To the Superintendent of Madras Harbour Works.
,, Examiner of Public Works Accounts.

Ed. E. C. Shunker.

Spare Copies

GOVT. OF (1878) Madras
PUBLIC WORKS.

GOVERNMENT, MADRAS
PUBLIC WORKS.

2nd January 1878

1878

G. O. No. 100, P. W. No. 100, M. 100, N.

1878

No. 231-332

Madras Harbour Works.—Statement of
expenditure on the same during January 1878
received.

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

Heads of Estimate		Cost for December 1877.	Cost for January 1878.	Cost to end of January 1878.	Total Cost.	Estimate	Remarks
<u>Preliminary Works</u>							
Detailed Surveys, taking Section, Soundings &c. &c.		134 7 9.	125 11 6.	3413 12 11.	8223 4 4.	5000.	This sum of Rs. 6089. 2. 11 has been transferred from "Marine Survey" & "Floating Plant". It represents the cost of a steam launch which is now become in reality "floating plant".
Marine Survey		31 12 8.	98 13 4.	4609 7 5.			
Railways							
Rail from England				138403 7 8.			
Sleepers				39385 7 5.	245214 1 9.	15000.	
Formation		557 10 7.	10 6 10.	57405 5 7.			
Chemung Quarries		204 15 5.	8 7.	2371 4 5.	2371 4 5.	10000.	
Preparing Block Ground		337 1 5.		42576 12 2.	42576 12 2.	65000.	
Jetties for loading stone						48000.	
Buildings		2637 10.	310 15 4.	56309 8.	56309 8.	75000.	
Land						30000.	

Plant

Locomotive Engines	305 15 7.	778 2 4.	44314 13 6.	44314 13 6.	60000.
Rolling Stock	108 10 7.	79 6 9.	12136 13.	12136 13.	35000.
Floating Plant	84 3.	6238 2 11.	139306 12 11.	139306 12 11.	145000.
Machinery, Locomotives &c.	8744 13 3.	552 2 8.	256194 13 1.	256194 13 1.	125000.
Quarry and General Tools	1460 8 7.	877 15 6.	27704 14 9.	27704 14 9.	80000.
Buoys and Beacons &c.			651 15 7.	651 15 7.	5000.
Office Furniture	12 4 1.	1 9 6.	3971 9 5.	3971 9 5.	2000.

Construction of Piers

North Pier

Surf Bank	21 12 2.		174815 14 11.	174815 14 11.	237180.
Rubble Base	1653 6 9.	2226 13 11.	43230 13 4.	43230 13 4.	482680.
Concrete Block Setting	1009 15 4.	3539 13 6.	30786 13 1.	30786 13 1.	306500.
Lighthouse					30000.
Extra Rubble			1770 6 10.	1770 6 10.	100000.

South Pier

Surf Bank	1941 12 11.	224 3 7.	66105 1 1.	66105 1 1.	237180.
Rubble Base	5436 7 8.	3621 14 1.	27335 6 8.	27335 6 8.	482680.
Concrete Block setting	1470 14 5.	2154 4 11.	4846 1 9.	4846 1 9.	30000.
Lighthouse					

Concrete Block making for North
and South Piers

6981 7 6	13110 8 9.	206406 5.	206406 5.	2001000.
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Carried Over— 56845 3 11. 27531 7 14 1394103 1 5. 1394103 1 5.

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3

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Heads of Estimate

Cost for December 1877. Cost for January 1878. Cost to end of January 1878. Total Cost Estimate

Remarks

Establishment

Brought forward 35845 3 11. 27531 7 12. 1394103 1 5. 1394103 1 5.

Salaries	2767 5 4.	9864 11 11.	111262 3 1.	} 131536 5 . 245690.
Office Contingencies	27 9	94 15 6.	1758 4 2.	
Travelling Allowances	184 7 11.	137 15 11.	18393 5 3.	
Medical		31 6 6.	122 8 6.	

Contingencies at 5 per cent on Total Estimate

Prince of Wales' visit & other contingencies	652 1 11.	339 4 2.	13277 8 11.	} 21142 9 8. 245690.
Protecting North Beach			7865 . 9.	

Materials at Site	39452 . 6.	37985 . 11.	1546782 . 1.	1546782 . 1.
Total	38646 3 8.	37785 . 11.	1547186 9 8.	1547186 9 8.

Madras
15th February 1878

J. H. Morrongood
Superintendent, Madras Harbour Works

No. 77 IV.

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS,

To

Colonel E. A. Ford, R. E.
Secretary to Government, P.W. Dept.
for Roads & Buildings.

MADRAS, 16th February 1878.

SIR,

I have the honor to forward a
Statement, showing the expenditure on
these works during the month of January
1878.

I have the honor to be
Sir,

Your most Obedient Servant,

J. H. Morrongood.
Superintendent
Madras Harbour Works

9/2/78

Ch/
15/2

No. 925 Wd 25th Feb 78

Recorded

Wt 19/2

Roads & Buildings

From

The Superintendent
Madras Harbour Works

Supt. M. H. Naki ✓ 3
In P. W. A. ✓ 5

Dr 2-4-3-78 17

Aggr
Dated 18th February 1878

Enclosures one

Expenditure

Brought Statement of Expendi-
ture for January 1878.

With order

Cu 1902 70

925
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Chap 1831
No. 1831
Publ. of 1878
PUBLIC WORKS.

To *Asst. Secy. Treas. Dept.*

Dated

Issued

Recd.

Encl.

G. O. *25 Feb* 1878, No. *925 W*

Res.

Grand Harbor Works
Statement of expenditure
on the — during year
1878, received.

Wm. B. Pope