

(1) Number of pages 16.
 (2) Date of repair 5.6.86
 (3) Initials of the Referencer bwg ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D.

DEPARTMENT

G.O. No. ~~B.P. No.~~	1522 (W)	Press. Mis.
Dated	26 - 3. 1878	197

ms.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

26th March 1878, No. 1,522 W.

Buildings and Roads.

Civil Works.

Read the following paper:—

No. 361. From N. St. B. BEARDMORE, Esq., Assistant Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, Roads and Buildings, dated Madras, 22nd March 1878, No. 80 W.

With reference to letter from this office, No. 78 W, dated 1st March 1878, I have the honor to forward herewith a statement showing the expenditure on these works during the month of February 1878.

Outlay on Madras Harbour Works up to 28th February 1878.

Heads of Estimate.	Cost for January 1878.	Cost for February 1878.	Cost to end of February 1878.	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.	125 1 6	111 12 9	3,725 9 8	8,515 4 8	5,000	
Marine survey	85 13 4	180 3 7	4,739 11 0			
Recovery	6,089 2 11	..	..	..	..	
<i>Railways—</i>						
Rails from Eng- land	..	..	1,38,403 7 8	2,45,975 15 5	1,50,000	
Sleepers	15 6 10	731 11 0	39,385 7 5			
Formation	..	..	68,187 0 7	..	..	
<i>Opening quarries ..</i>	8 7 0	11 15 8	2,383 4 1	2,383 4 1	10,000	
Preparing block ground. Jetties for loading stone.	..	..	42,676 12 2	42,676 12 2	65,000	
Buildings	310 15 4	781 0 10	57,089 6 10	57,089 6 10	45,000	
Recovery	..	1 2 0	..	..	75,000	
Land	..	..	..	..	30,000	
<i>Plant.</i>						
Locomotive engines ...	778 2 4	8 8 2	44,323 5 8	44,323 5 8	60,000	
Rolling-stock	79 6 9	506 3 4	12,643 0 4	12,643 0 4	35,000	
Floating plant	6,238 2 11	271 12 0	1,39,578 8 11	1,39,578 8 11	1,45,000	
Machinery, cranes, &c.	552 2 8	840 14 0	2,57,035 11 1	2,57,035 11 1	1,25,000	
Quarry and general tools	597 15 6	2,420 12 7	29,925 1 4	29,925 1 4	50,000	
Recovery	90 0 0	41 2 0	693 1 7	693 1 7	3,000	
Buoys and beacons, &c.	1 9 6	..	3,971 9 5	3,971 9 5	2,000	
Office furniture	..	..	..	..	..	
<i>Construction of Piers.</i>						
<i>North Pier.</i>						
Surf work	2,226 13 11	5,640 6 3	1,74,815 14 11	1,74,815 14 11	2,37,180	
Rubble base	3,559 13 6	3,275 0 9	48,871 3 7	48,871 3 7	4,82,080	
Concrete block-setting.	..	..	34,061 13 10	34,061 13 10	3,06,500	
Light-house	..	..	1,770 5 10	1,770 5 10	30,000	
Extra rubble	..	..	..	..	1,00,000	

Outlay on Madras Harbour Works up to 28th February 1878—(Continued).

Heads of Estimate.	Cost for January 1878.	Cost for February 1878.	Cost to end of February 1878.	Total Cost.	Estimate.	Remarks.
<i>Construction of Piers—</i> (Contd.)						
<i>South Pier.</i>						
Surf bank	224 3 7	52 8 0	68,157 9 0	68,157 9 0	2,37,140	
Rubble base	3,821 14 1	7,644 6 1	31,979 12 9	31,979 12 9	4,52,650	
Recovery	0 3 8	.. ..	.. ..	.. ..	.. ..	
Concrete block-setting.	2,154 4 11	2,316 12 7	7,162 14 4	7,162 14 4	3,06,509	
Light-house .. ..	.. ..	.. ..	.. ..	.. ..	20,000	
 Concrete block-making for North and South Piers	13,110 8 9	25,154 5 7	2,31,560 10 7	2,31,560 10 7	20,01,000	
<i>Establishment.</i>						
Salaries	9,364 11 11	2,736 0 0	1,14,058 3 1	1,14,058 3 1	2,45,690	
Office contingencies ..	94 15 6	101 6 0	1,858 2 2	1,858 2 2	.. ..	
Recovery	14 12 0	1 8 0	.. ..	.. ..	.. ..	
Travelling allowances..	137 15 0	130 7 10	18,523 13 1	18,523 13 1	.. ..	
Medical	31 6 6	41 13 11	164 6 6	164 6 6	.. ..	
<i>Contingencies at 5 per cent. on Total Estimate.</i>						
Prince of Wales' visit and other contingencies ..	339 4 2	546 4 1	13,823 13 0	13,823 13 0	21,688 13 9	2,45,690
Protecting North Beach.	.. ..	.. ..	7,925 0 9	7,925 0 9	.. ..	
 Materials at site	37,955 0 11	63,902 13 0	16,03,684 13 1	16,03,684 13 1	.. ..	
.. ..	.. ..	2,403 13 6	2,808 7 1	2,808 7 1	.. ..	
Total	37,955 0 11	66,306 10 6	16,03,493 4 2	16,03,493 4 2	.. ..	

MADRAS.
22nd March 1878.

(Signed) N. St. B. BEARDMORE,
Asst. Supt., Madras Harbour Works.

No. 362.

ORDER THEREON, 26th March 1878, No. 1,522 W.

ORDERED to be recorded.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

To the Superintendent, Madras Harbour Works.
" Examiner of Public Works Accounts.

Exd. R. D. Ryan.
Spare Copies

BUILDINGS AND ROADS
CIVIL WORKS.

Est. of (1878) Madras.
PUBLIC WORKS.

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

Est. March 1878.

Land.

Revt.

G. O., 230A March 1878, No. 1322 W.

MARCH

No. 301-302

Madras Harbour Works—Statement of
expenditure on the same during February
1878, under.

Books of Estimate Cost for last month of Total Cost Estimate Remarks

Brought forward 27531 7 10 58288 5 2 144639 6 7 144639 6 7

Establishment

Salaries	9864 11 11	2796 . .	11408 5 1.	} 134604 8 9 245690
Office contingencies	94 15 6.	101 6 .	1958 2 2	
Travelling Allowances	137 15 .	130 7 10	268 5 10 1	
Medical	31 6 6 .	41 10 11	164 6 5	

Contingencies at 5 per cent
on total Estimate

Price of Water, visit and other Contingencies	539 4 2	546 4 1	13923 10 .	} 24608 10 9 245690
Protecting North Beach			7865 . 9	

57985 . 11 53902 10 . 160604 10 1 160604 10 1

Materials at site 2403 10 6 . 2808 7 1 . 2808 7 1

Total 57985 . 11 53902 10 6 160604 10 6 160604 10 6 2

Madras.
22nd March 1878
W. H. B. Beardmore

Quitting on Madras Harbor Works up to 28th February 1878.

Heads of Estimate

Cost for best for best length total head estimate
January 1878 February 1878

Remarks

Preliminary Works

Detailed drawings, taking sections

Soundings per 100 125 1 6 111 12 9 3725 9 8 5515 4 8 5000 1

Marine survey 95 13 4 180 3 7 4789 11 . 3

Railways

Rails from England

Staples

Specialized

Clearing, drains

Preparing black ground

Settles for loading stone

Buildings

Land

Plant

Locomotive engines

Rolling stock

Floating plant

Machinery, cranes per 100

Lumber and general tools

Shops and houses per 100

Office furniture

Construction of Piers

North Pier

Surf bank

Quilted base

Concrete block setting

Light house

Water Quilted

South Pier

Surf bank

Quilted base

Concrete block setting

Light house

Concrete block setting for

North and South Piers

Spended over 27531 7 10 50255 5 2 444391 6 7 1 444391 6 7

Asst. Superintendent,
M. Harbor Works

Chas.

MEMO.

MADRAS HARBOUR WORKS,

SUPERINTENDENT'S OFFICE,

4th April 1878.

Part-proof of No 10222, sent for the
approval of the Harbour Superintende
on 2^d April, is herewith returned - copy

Wm. H. Beard

17. Sept.
1878.

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24

Asst. Superintendent,
M. Harbour Works

No. 80W.

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

To

Colonel C. A. Ford, R.E.
Secretary to Government P. W. Dept.
for Roads & Buildings.
MADRAS, 22nd March 1878.

SIR,

With reference to Letter from this
Office No 75 W, dated 1st March 1878,
I have the honor to forward herewith
a statement showing the expenditure
on these works during the month of
February 1878.

I have the honor to be,
Sir,
Your most Obedient Servant,

Walter B. Beardmore
Asst. Superintendent
M. H. W. S.

1522

8

1572
clear

No 1522 W 3rd Mar 78
Recorded

20/3

Roads & Buildings

From
The Superintendent
Melbourn Harbour Works

Supt. M. H. K. K. K.
P. A. A.

Chief. 5-2-78

180 W.
Dated 22 March 1878

Enclosure

20.25.2.78. 110925M.

Expenditure
Forwarded statement showing
ing - for February 1878 -
With order

20/3 Recd.

Copy

Obt. of (1878) ~~Mar~~
PUBLIC WORKS.

To *Harbour*
Date *21st*

Level
Acad. Encl.

G. O., 26 Mar 1878, No. 1572w

Nos.

Madras Harbour North
Statement of Expenditure
on the ———— July 1878.
Recorded.

Ind. Rep.