

(1) Number of pages 124
(2) Date of repair 29.8.86
(3) Initials of the Referencer BWS

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works -

DEPARTMENT

G.O. No.	3745(W)	Press.
B.P. No.		Mis.
Dated	24.9.1878	197.

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Not to be folded or roughly handled.

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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

24th September 1878, No. 3,745 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 265. From F. N. THOROWGOOD, Esq., Superintendent of the Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 14th September 1878, No. 32 W.

I HAVE the honor to submit herewith a statement of expenditure on the Harbour Works up to the 31st August 1878.

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

Heads of Estimate.	Cost for July 1878.	Cost for August 1878.	Cost to end of August 1878.	Total Cost.	Estimate.
<i>Preliminary Works.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. A.	RS.
Detailed survey, taking sections, soundings, &c., &c.	104 3 0	71 14 6	4,278 11 6	10,161 0 9	5,000
Marine survey	31 6 6	21 6 10	5,882 8 3		
<i>Railways—</i>			1,38,698 14 11		
Rails from England			39,385 7 6	2,46,271 5 11	1,50,000
Sleepers			68,187 0 7		
Formation					
<i>Opening quarries</i>	7 6 7		2,432 3 11	2,432 3 11	10,000
<i>Preparing block-ground</i>	60 12 9	308 7 2	44,537 3 6	44,537 3 6	65,000
<i>Jetties for loading stone</i>	521 12 4	605 11 10	59,136 11 1	59,136 11 1	45,000
<i>Buildings</i>			1,220 6 4	1,220 6 4	30,000
<i>Land</i>					
<i>Plant.</i>			44,829 13 8	44,829 13 8	60,000
<i>Locomotive engines</i>	975 1 1	1,644 4 10	17,039 12 7	17,039 12 7	35,000
<i>Rolling-stock</i>	517 14 3	119 5 0	1,40,750 1 4	1,40,750 1 4	1,46,000
<i>Floating plant</i>	5,866 2 5	0 3 0	2,66,545 7 7	2,66,545 7 7	1,25,000
<i>Machinery, cranes, &c.</i>	313 14 0	260 2 9	32,048 14 5	32,048 14 5	50,000
<i>Quarry and general tools</i>	40 2 0	0 4 0	716 10 9	716 10 9	3,000
<i>Recovery</i>			3,979 5 9	3,979 5 9	2,000
<i>Buoys and beacons</i>	1 8 0				
<i>Office furniture</i>					
<i>CONSTRUCTION OF PIERS.</i>					
<i>North Pier.</i>			1,74,815 14 11	1,74,815 14 11	2,37,180
<i>Surf bank</i>	8,883 13 5	9,872 3 7	90,982 10 8	90,982 10 8	4,82,680
<i>Rubble base</i>	2,085 4 8	2,589 2 9	48,691 2 4	48,691 2 4	3,08,500
<i>Concrete block-setting</i>					30,000
<i>Light-house</i>			1,770 5 10	1,770 5 10	1,00,000
<i>Extra rubble</i>					

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

Heads of Estimate.	Cost for July 1878.	Cost for August 1878.	Cost to end of August 1878.	Total Cost.	Estimate.
<i>South Pier.</i>	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS.
Surf bank	0 6 0	0 12 0	65,275 3 0	65,275 3 0	2,37,180
Rubble base	6,339 5 0	7,510 5 1	85,378 15 6	85,378 15 6	4,82,680
Recovery	4 0 0	.. ..	.. ..	.. ..	.. ..
Concrete block-setting ..	1,862 9 11	1,823 13 11	19,778 6 5	19,778 6 5	3,06,500
Light-house .. ..	.. ..	.. ..	.. ..	.. ..	89,500
Extra rubble .. ..	.. ..	.. ..	.. ..	.. ..	1,00,000
Concrete block-making for North and South Piers.	28,141 10 4	21,882 1 6	4,10,222 1 7	4,10,222 1 7	20,61,000
Recovery	9 7 0	11 1 6	.. ..	.. ..	.. ..
<i>Establisment.</i>					
Salaries	2,750 0 0	4,228 9 2	1,25,049 10 5	1,25,049 10 5	2,46,590
Office contingencies ..	88 7 6	150 0 6	2,332 11 11	2,332 11 11	.. ..
Travelling allowances ..	437 14 7	250 6 2	20,039 3 0	20,039 3 0	.. ..
Medical	0 6 0	20 0 0	188 12 5	188 12 5	.. ..
<i>Contingencies.</i>					
Protective works north of Harbour.	345 9 6	2,105 6 6	10,317 0 9	10,317 0 9	2,45,690
Other Contingencies ..	2,179 7 6	903 4 1	19,412 1 8	19,412 1 8	.. ..
Recovery	34 7 7	.. ..	.. ..	.. ..	.. ..
Maintenance .. ..	.. ..	.. ..	.. ..	.. ..	2,45,690
Materials at site for Specific Works.	61,099 7 9	64,136 8 8	19,54,513 7 0	19,54,513 7 0	.. ..
Recovery	5,337 14 5	112 0 0	6,349 15 1	6,349 15 1	.. ..
English Portland Cement and other General Stores on Stock.	6,185 8 5	4,268 0 6	1,42,887 7 4	1,42,887 7 4	.. ..
Recovery .. ..	.. ..	3,225 0 2	.. ..	.. ..	.. ..
Total	72,085 14 7	63,265 5 4	21,03,750 13 5	21,03,750 13 5	.. ..

MADRAS,
14th September 1878.(Signed) F. N. THOROWGOOD,
Superintendent, Madras Harbour Works.

No. 266. ORDER THEREON, 24th September 1878, No. 3,745 W.

ORDERED to be recorded.

(True Extract.)

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

(True Copy.)

Major, R.E.,
Under Secy. to Govt., P.W.D.To the Superintendent, Madras Harbour Works.
,, Examiner of Public Works Accounts.Exd. T. D. Ryan.
Spars Copies

BUILDINGS AND ROADS
CIVIL WORKS.

Gobt. of (1878) Madras
PUBLIC WORKS.

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

Dated September 24th.

Recd.

Encl.

G. O. 24th September 1878, No. 3745 W.

SEPTEMBER

Nos. 265-266.

Madras Harbour Works.—The statement
of expenditure on the — for August 1878,
recorded.

No. 32 W.

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

To

Colonel G. A. Ford, R. G.
Secretary to Government, Public Works Dept
Buildings & Roads
Fort Saint George,
MADRAS, 11th September, 1878.

Sir,

I have the honor to submit herewith a
Statement of expenditure on the Harbour
Works up to the 31st August 1878. —

I have the honor to be

Sir,

Your most obedient servant,

J. H. Mowgood.

Superintendent
Madras Harbour Works

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

Heads of Estimate	Cost for July 1878	Cost for August 1878	Cost to end of August 1878	Total Cost	Estimate	Remarks
PRELIMINARY WORKS						
Detailed Survey taking Sections & Soundings	104 3 -	71 14 6	4278 11 6	10161 - 9	5000	
Marine Survey	31 6 6	21 6 10	5882 5 3			
Railways						
Rails from England			138698 14 11	246271 6 11	150000	
Sleepers			39385 7 5			
Formations			68187 - 7			
Opening Quarries	7 8 7		2432 3 11	2432 3 11	10000	
Preparing Block Ground	60 12 9	308 7 2	44537 3 6	44537 3 6	65000	
Jetties for loading Stone					45000	
Buildings	521 12 4	605 11 10	59136 11 1	59136 11 1	75000	
Land			1220 6 4	1220 6 4	30000	
PLANT						
Locomotive Engines			44329 13 8	44329 13 8	60000	
Rolling Stock	975 1 1	1641 4 10	17059 12 7	17059 12 7	35000	
Floating Plant	517 14 3	119 5 -	140750 1 4	140750 1 4	145000	
Machinery Cranes &c	5860 2 5	- 8 -	266545 7 7	266545 7 7	125000	
Quarry and General Tools	313 14 -	260 2 9	32048 14 5	32048 14 5	50000	
Buoys and Beacons			716 10 9	716 10 9	3000	
Office Furniture	1 - -		3979 5 9	3979 5 9	2000	
CONSTRUCTION OF PIERS						
North Pier						
Surf Bank			174815 14 11	174815 14 11	237180	
Rubble Base	8683 13 5	9672 3 7	90982 10 8	90982 10 8	482680	
Concrete Block Setting	2085 4 8	2569 2 9	48691 2 4	48691 2 4	306500	
Lighthouse					30000	
Extra rubble			1770 5 10	1770 5 10	100000	
South Pier						
Surf Bank	6 -	12 -	66275 3 -	66275 3 -	26780	
Rubble Base	6389 5 -	7510 5 1	85378 15 6	85378 15 6	482680	
Concrete Block Setting	1662 9 11	1823 13 11	19778 6 5	19778 6 5	306500	
Lighthouse					30000	
Extra rubble					100000	
Concrete Block making for S.S. Piers	28141 10 4	31882 1 6	410292 1 7	410292 1 7	2001000	
Carried Over	55303 3 3	56478 14 3	1767173 14 10	1767173 14 10		

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Heads of Estimate

Cost for July 1878
Cost for August 1878
Cost for August 1878

Total Cost Estimate

Remarks

Brought forward
Establishment.

55303 3 3. 56478 14 3. 1767173 14 10. 1767173 14 10.

Salaries	2780	4228 9 2	135049 10 5.	} 157610 5 9. 245690
Office Contingencies	86 6	150 6	2332 11 11.	
Travelling Allowances	437 14 7	250 6 2	20039 3 .	
Medical	5 .	20 . .	188 12 5.	

Contingencies.

Protective Works North of Harbour	346 7 6	2105 6 6	10317 . 9.	} 29729 2 5. 245690
Other Contingencies	2179 7 6	903 14 1.	19412 1 8.	
Maintenance				245690

Materials @ site for specific works	61099 7 9	64136 8 8.	1954513 7 .	1954513 7 .
English Portland Cement and other	5397 14 5.	112 . .	634915 1.	634915 1.
General Stores on Stock	6188 8 5.	3225 . 2	142887 7 4.	142887 7 4.

Total 72685 14 7. 63205 8 4. 2103750 13 5. 2103750 13 5.

Madras Harbour Works Office
14 September 1878

Superintendent

No. 110

Cost to be paid

No. 3466W of 31. 8. 78.

Buildings & Roads

From
The Superintendent
Madras Harbour Works

No 32W

Dated 11th September 1878

No of Enclosures 1

Expenditure

Submits Statement of —
for August 1878. — ^{23R}cl works

No 3745W of 24th Sept 78
Recorded.

At 17 9 78
Cor 18 0 78
24 9 78
Spt. 4. 1878
P. O. L.
427 1878
427 1878

10339

Gobt. of (1878) Madras.

PUBLIC WORKS

To

Supt. Harbours Works.

Dated

Issued

Recd.

Encl.

G. O. 26th Sep. 1878; No. 3745W

Nos. 265-266

Madras Harbours Works

The Statement of expenditure
on the — for August 1878, recorded.

Ind. D. 1878