Financial (1895) Department.

ORDINARY PRINTED.

G.O., No. 272-73.

DATED 25th March 1896.

INDEXED. 41/42

[Despatch Abstract.]

BUDGET ESTIMATES OF THE HARBOUR TRUST BOARD FOR 1895-96.-

Reviewing the ----and directing that the Government of India be requested to sanction the loan of .82 lakh, being the balance of the revised estimate for the completion of the Harbour for which credit is taken by the Board.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	887 914		95 95				

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

READ—the following paper :—

From E. TURNER, Esq., I.C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 22nd February 1895, No. 4237.

I have the honour to submit, for the information and approval of Government, the estimate of receipts and charges of the Madras Harbour Trust for the year 1895–96, which was considered by the Trustees at a special meeting of the Board held under section 37, Act II of 1886, on Friday, 15th instant.

Revenue Account.—The estimated opening balance of this account is Rs. 7,75,750, after deducting in the column, Revised Estimate for 1894–95, the extra Rs. 5,00,000 refunded to Government on account of capital advances under section 32, Act II of 1886, sanctioned in G.O., No. 24, Financial, dated 11th January 1895.

RECEIPTS.

Contribution from Port Funds is taken at Rs. 47,000, that being the amount which the Presidency Port Officer has advised me will probably be available. The other items of receipts from *Harbour Dues* follow closely the revised estimates for 1894–95 and need no comment. *Porterage* receipts are stated at Rs. 76,500, which is the amount that the Trustees anticipate will be received under the reduced scale of rates lately sanctioned by Government. The *interest* on Government pro-notes which it is anticipated will be received during the course of the year is only Rs. 14,000, due to the reduced holding of Government paper and interest thereon being now $3\frac{1}{2}$ per cent. The total receipts are estimated at Rs. 4,67,700, which with the opening balance make a total of Rs. 12,43,450.

CHARGES.

Interest under section 30 has now mounted up to Rs. 2,27,500, and this sum, together with the usual *refund* of one lakh, will be paid to the credit of Government on the 1st April next.

Establishment.—The usual printed schedule of staff is annexed: the *personel* is practically the same as last year. In the Correspondence, Accounts and Cash Departments there is a small increase of Rs. 398, due to an extra Rs. 10 per mensem granted to the Cashier and minor departmental arrangements necessitating the small additional outlay.

The Traffic Department shows an increase of Rs. 4,000; this is due to the personal allowance to the Traffic Manager being charged for twelve months as against nine in 1894–95, the progressive salary of the Deputy Traffic Manager who has not yet attained to the sanctioned maximum pay of that appointment, and to the transfer to the Traffic Department of two senior preventive officers who, having regard to the nature of their duties—the supervision of the traffic upon the pier and the reception and delivery of cargo at and from the Custom House—have now been designated *Assistant Traffic Managers* on salaries increased by Rs. 50 and 25 respectively. This additional charge against the Traffic Department has been met by withdrawing from the Deputy Traffic Manager all overtime fees from 1st April next, the Trustees being

of opinion that he should, in this respect, be treated in the same manner as the Traffic Manager. The reduction in overtime fees and in the cost of the preventive service will about balance the addition made by this transfer.

Porterage charges have been reduced from Rs. 83,780 to Rs. 75,680, which is due to the steady import of coal having enabled me to get the work done cheaper than was possible when the imports were irregular. The Trustees do not anticipate making any cash profit upon the working of the porterage in future, the revised schedule of rates being calculated to about balance receipts and charges hereafter. It is impossible yet to say whether this will actually prove to be the case, but it is the object which has been steadily aimed at, and the net advantage to the Board and to the public will in future be the saving of charges previously paid from collections of harbour dues, while the public paid to the Board's contractors higher rates than have at any time been levied by the Trust, and which have now been reduced to the point at which it is anticipated that the rates levied from the mercantile public will, as nearly as possible, pay for all charges rightly debitable to the porterage of cargo. Details of the anticipated receipts and charges under this head are given in the separate porterage estimate attached.

Other items of expenditure call for no special comment. The usual small provision for *petty constructions and repairs* has been made; the Board has however no *new work* in view at present, but some such may be found desirable during the course of the year. The sum provided for repairs to machinery, &c.—Rs. 10,000—will probably be required, but with regard to new tools and plant very little, if anything at all, will be needed so far as can be judged at present.

The closing balance of the Revenue Account is estimated at Rs. 7,05,937 on the 31st March 1896, being a reduction of Rs. 69,813 upon the closing balance of the current official year. The chief items in the Board's expenditure are the interest and and in view of the extra repayment lately made and that the harbour is now approaching completion, the heavier item—interest—will in future be annually reduced and gradually bring the receipts and charges to an equilibrium. Excluding these two items the estimated receipts of the Trust are Rs. 2,58,000 in excess of the proposed expenditure; and the excess of charges above that amount will be met from accumulated funds, which are, it is calculated, sufficient to meet the annual drain upon them until repayment of capital advances, and consequent reduction in the amount of interest due upon such, enables the yearly revenue to meet all expenses.

CAPITAL ACCOUNT.

In the column, Revised Estimate 1894–95, is entered the sum of Rs. 6,00,000 repaid on account of harbour construction during the current year, which leaves an outstanding balance due to Government upon the 31st March 1895 of Rs. 47,24,242.

Credit is taken for Rs. 82,227, being the balance receivable under the revised estimate for harbour construction sanctioned in the Secretary of State's despatch, No. 1, dated 7th January 1892, *viz.*, Rs. 61,06,227. But I have already reported to Government, in submitting the report for the quarter ending 31st December 1894, that the Board's Engineer has made a further demand for funds, chiefly due to delay in the completion of the works, and that this balance will not be sufficient to complete the harbour, as it was understood would be the case.

The Engineer has been directed to prepare a detailed estimate, which will be submitted to Government as soon as possible after being received and considered by the Board, when I will address you fully upon the subject. In the absence of any previous information as to excess expenditure and in view of the latest orders of Government, the balance of the sanctioned estimate only is now shown, subject to revision upon the receipt of orders from Government, after the Board is in a position to submit details.

The payment of Rs. 1,00,000 on the 1st April next, in reduction of capital advances, will make a total of Rs. 14,00,000 refunded since the constitution of the Trust.

ORDER—dated 25th March 1895, No. 272, Financial.

The Harbour Trust Board estimates its receipts in 1895–96 at 4·68 lakhs, against 6·50, the revised estimate for 1894–95, and 5·11, the actuals of 1893–94. The variations are explained in the Chairman's covering letter.

2. The charges are placed at 5·37, against 10·43 in the revised, and 5·08, the actuals of 1893–94. The high figure in the revised is principally due to the repayment towards the loan taken from Government of 5 lakhs in addition to the usual instalment of one lakh.

G.O., dated 11th January 1895, No. 24.

3. Under both receipts and charges the budget estimate for 1894–95 as originally submitted by the Board and not as passed by Government in G.O., dated 1st May 1894, No. 348, has been entered. The attention of the Board was called to this matter last year. In paragraph 4 of the Proceedings just quoted, the Government directed that the provision made in the budget on account of exchange compensation allowance and personal allowances to the Secretary and the Traffic Manager should be struck out. The grant of exchange compensation allowance and of a personal allowance to the Traffic Manager was sanctioned subsequent to the passing of the budget and these items have rightly been shown in the revised estimate, but they should not have been included in the budget estimate for 1894–95, which should contain the figures as passed by Government.

4. Credit is taken for a further loan from Government of ·82, being the balance of the sanctioned estimate for harbour construction. The supplemental estimate for the completion of the harbour is under consideration in the Public Works Department. In the meantime the Government of India will be requested to sanction the loan of ·82.

[Here enter No. 273, dated 25th March 1895.]

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Chairman, Harbour Trust Board.
" Presidency Port Officer.
" Public Works Department.
" Marine Department.
" Accountant-General.

Exd. A. Raitt.

Govt. of {1895} Madras.

FINANCIAL.

Issued

Recd. *Encl.*

G.O., 25th March 1895, No. 272.

MARCH.

Budget Estimates of the Harbour Trust Board for 1895-96.

Reviewing the —, and directing that the Government of India be requested to sanction the loan of ·82 lakh, being the balance of the revised estimate for the completion of the harbour for which credit is taken by the Board.

FINANCIAL DEPARTMENT.

LETTER—from

THE CHIEF SECRETARY TO THE GOVERNMENT OF FORT ST. GEORGE,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
FINANCE AND COMMERCE DEPARTMENT.

SIR,

I am directed to forward copy of the Proceedings of this Government of to-day's date, No. 272, containing the budget estimates of the Madras Harbour Trust Board for 1895-96, and to request that the loan of ·82 lakh, being the balance of the revised estimate for the completion of the harbour for which credit is taken by the Board, may be sanctioned. The Board reports that the estimate for construction is likely to be exceeded and its detailed report on the subject is under consideration.

I have the honour to be,
Sir,
Your most obedient servant,

FORT ST. GEORGE,
25*th March* 1895.

J. F. PRICE,
Chief Secretary.

Exd. A. Raitt.

1895.

FINANCIAL DEPARTMENT.

From the Government of
Fort St. George.

Issued

Recd. *Encl*

Letter, 25th March 1895, No. 273.

MARCH.

Budget Estimates of the Harbour Trust Board for 1895-96.

Forwarding copy of the Proceedings containing —, and requesting that the loan of ·82 lakh, the balance of the revised estimate for the ion of the harbour for which credit is taken ard, may be sanctioned.

[G/9]
2,000—23-1-95.

Current No. 544

Finl Department.

From

The Chairman
H. T. Bd
Madras

No. 4237

Dated 22.2.95

Received 2/3

Enclosures 1 & 25 cs
of both curr & encl:

SUBJECT.

Subm^g Budget estimates
of the Receipts & charges
of the Madras Harbour Trust
for the year 1895-96:

Finl Pro 272/3
25/3/95

Fo. 24: 11.1.95 Finl as to Fee.
Fo. 866/7: 22.6.94 Finl
Fo. 792: 27.9.94
Fo. 715/6: 12.9.94.
Fo. 669: 1.9.94
Fo. 646: 25.8.94
Fo. 535: 12.7.94 upl & Sc
Fo. 515R: 23.6.94 Finl
Fo. 480/1: 18.6.94 Finl
Fo. 522R: 24.5.94 Finl
Fo. 348/9: 1.5.94 Finl
Fo. 324: 24.4.94 Sc.
Fo. 169: 27.2.94 Finl
Fo. 37: 18.1.94 Finl.

A

MARINE DEPARTMENT.

FROM

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

DATED 20*th February* 1895.

DESPATCHED 23rd ,,

RECEIVED ,,

ENCLOSURES. The plans referred to by the Engineer—in duplicate.

No. 4177.

SUBJECT.

MADRAS HARBOUR.

Submitting report for quarter ending 31st December 1894, and bringing to notice that the balance of the sanctioned estimate is insufficient to complete the Harbour.

LAWRENCE ASYLUM PRESS, MADRAS.

MARINE DEPARTMENT.

FROM

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

DATED 20*th February* 1895.

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LAWRENCE ASYLUM PRESS, MADRAS.

MADRAS HARBOUR TRUST,
SECRETARY'S OFFICE,
20th February 1895.

No. 4177.

From

EDWARD TURNER, ESQ., I.C.S.,
CHAIRMAN, HARBOUR TRUST BOARD,
MADRAS.

To

THE HON'BLE MR. J. F. PRICE, C.S.I., I.C.S.,
CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

SIR,

I have the honour to submit, for the information of Government, the usual report upon the progress made in the reconstruction of the Madras Harbour, during the Quarter ending 31st December 1894: together with the various tracings and statements referred to by the Board's Engineer; also the Traffic Manager's returns of Imports and Exports for the Quarter : and statement of cash receipts, to which is appended a comparison between the receipts for the two periods, 1st April to 31st December 1893 and 1894.

2. The progress upon Harbour Construction has been very slow ; for which various reasons are adduced by the Board's Engineer, in his report. It is noted that he still expects to place the caisson for the South Pier-Head in position next March, but now refers to difficulties, which he anticipates will be greater than experienced at the North pier.

3. In this report, dated 4th February the Engineer shows a balance of Rs. 2,53,751 available for completing the Harbour, or for work to be done; and in his letter No. 195, dated 4th June 1894 he clearly stated, in reply to an enquiry from the Government of India, that the amount of the revised sanctioned estimate for reconstruction "shown in 1891, viz., Rupees 61,06,227 is all that is required;" but the Trustees have been much surprised to receive an estimate, dated 6th February forwarded to me by the Engineer on the 8th idem, only two days later than his report, stating that the sum required for the completion of the Harbour will be Rs. 4,70,682 from 1st April 1895. This estimate was considered by the Board at its special meeting held on Friday 15th instant, and the Engineer has been called upon to frame a detailed estimate in the form appended to this report, which shows the comparison of expenditure with sanctioned estimate; and this will be submitted to Government for information and orders as soon as possible. I refer to the matter now, although not alluded to by the Engineer in his report, to afford Government the earliest intimation now possible, that the balance of the sanctioned estimate still available will not be sufficient to complete the Harbour, as previously reported it would.

When further information has been gathered Government will be specially addressed upon the subject.

4. I need not now refer in detail to the Revenue receipts and charges : or to the tabulated statements of exports and imports annexed hereto ; as the *plus* and *minus* columns show the variations at a glance ; but need only observe that cash receipts for dues upon goods landed and shipped show, for the nine months ending 31st December 1894, an increase of Rs. 3,069 as compared with the corresponding period of 1893. The trade of the port may therefore be regarded as showing upon the whole very little variation in volume from the corresponding period of the previous year ; the variations in detail can better be compared and commented upon when submitting the report for the full twelve months in April next.

5. The shipping accommodated in the Harbour during the quarter under review, aggregated a tonnage of 286,726 net register, represented by 160 vessels ; and one vessel of 41 register tons, anchored outside the Harbour within port limits.

I have the honor to be,

Sir,

Your obedient servan

Chairman, Harbour Trust Board.

Extract of Proceedings of the Trustees of the Harbour of Madras, at a Meeting held atthe Offices of the Board on Friday the 22nd day of February 1895.

* * * *

6. Read draft letter to the Chief Secretary to Government, submitting progress report upon the reconstruction of the Harbour, for the Quarter ending 31st December 1894, and bringing to notice that the balance of the sanctioned estimate is insufficient to complete the Harbour.

Approved.

* * *

True Extract.

C. PINSENT,

Secretary, Harbour Trust Board.

Madras Harbour Trust, Statement of Receipts and Charges from 1st April to 31st December 1894.

		Rs. A. P.	Rs. A. P.	Rs. A. P.
Opening balance—				
Government Securities (Par value 8,20,000)			8,16,547 10 10	
1. Cash in the Bank of Madras ...		3,51,356 14 1		
2. General Cash in Office		337 10 8		
3. Advance for Contingencies... ...		500 0 0		
			3,52,194 8 9	
				11,68,742 3 7
RECEIPTS.				
I. Contributions from Port Funds ...		...	.....	57,607 5 6
II. Beach Imports : dues under Section 45 (*a*) I (i) (ii) (iii) ...		1,09,890 3 9		
Pier do. do. do. ...		45,924 2 6		
Beach Exports do. do. ...		23,873 12 2		
Pier do. do. do. ...		36,548 5 9		
Wharfage do. II. ...		4,120 0 0		
Cranage do. III. ...		31,670 8 9		
Storage do. IV. ...		1,025 1 5		
Demurrage do. V. ...		361 8 10		
Dues for entry of Vehicles under Section 45 (*c*) VI ...		8,948 2 11		
Provisions :—Dues on under Section 45 (*a*) I (i)		464 12 6		
Rent of Properties		503 10 8		
Water : charge for—delivered at pier head		3,474 12 0		
Penalties under Section 84... ...		... ...		
Sundries		0 0 4	2,66,805 1 7	
III. Porterage under Section 45 (*a*) I (iv)		... ...	... ...	
Beach		45,818 7 7		
Pier		23,270 7 3		
Miscellaneous		130 10 6		
			69,219 9 4	
				3,36,024 10 11
IV. Interest on Government of India, 4 per cent. Promissory Notes.... ...		...	...	27,700 14 7
Amount refunded from Construction Funds in repayment of advances made from time to time from Revenue Account from 1st April to 31st October 1894				31,000 0 0
Total Rupees		...	...	16,21,075 2 7
Charges.				
I. Interest (under Section 30) ...		...	2,22,912 8 1	
II. Repayment of Loan for Construction of Harbour under Sec. 31		...	1,00,000 0 0	
				3,22,912 8 1
III. Refunds		...	655 5 1	
IV. Establishment, etc.—				
1. Chairman's salary		3,600 0 0		
2. Secretary's do.		7,200 0 0		
3. Correspondence Department ...		2,683 0 6		
4. Accounts Department		4,974 5 11		
5. Cash Department		3,495 7 1		
6. Traffic Department (Shore Staff) ...		20,806 5 4		
7. Preventive Service		9,271 1 2		
8. Do. Boatmen ...		894 11 10		
9. Exchange Compensation Allowance		3,539 15 0		
10. Contribution to Govt. for Pensions...		623 5 2		
11. Do. to Provident Fund ...		60 5 4		
12. Fees to Trustees		4,620 0 0		
13. Tidal Observatory		30 0 0		
			61,798 9 4	
Forward ...Rs.			62,453 14 5	3,22,912 8 1

					RS.	A.	P.	RS. A. P.
	Brought forward				62,453	14	5	3,22,912 8 1
V.	Contingencies—							
	(*a*) Subject to Regular Audit.—				RS.	A.	P.	
	Postage				47	1	9	
	Receipt Stamps				156	2	0	
	Telegrams				27	6	0	
	Furniture				130	13	0	
	Fees for Audit				...	...	...	
	Law Charges				31	5	0	
	Stationery and Printing				2,950	1	11	
	Advertisement Charges				230	0	0	
	Uniform for Preventive Service, &c.				1,441	12	0	
								5,014 9 8
	(*b*) Admissible without Detailed Audit.—							
	Overtime Fees to Establishment				3,363	15	6	
	Do. Preventive Service and Boatmen				2,484	1	3	
	Miscellaneous				2,580	14	11	
								8,428 15 8
VI.	Petty Construction and Repairs—							
	New Works				8,992	10	2	
	Repairs				8,341	11	2	
	Tools and Plant				887	3	5	
								18,221 8 9
VII.	Porterage—							94,119 0 6
	1. Coolies, Beach				28,316	7	6	
	2. Do. Pier				12,272	14	8	
	3. Do. Custom House				7,321	13	1	
	4. Coasting Cargo				1,175	2	6	
	5. Boat Hire				...	...	...	
	6. Engine Charges				1,835	7	9	
	7. Steam Crane Charges				1,797	15	3	
	8. Refunds				3,656	9	5	
	9. Claims for Losses and Damage				678	10	4	
	10. Provident Fund Deductions from Coolies' wages				810	6	4	
	11. Do. Contributions by the Trust				810	6	4	
								58,675 13 2
	(*a*) Contingencies Subject to Regular Audit—							
	Postage				...	...	...	
	Receipt Stamps				2	6	0	
	Telegrams				...	...	...	
	Furniture				29	2	0	
	Tarpaulins				1,225	9	2	
	Law Charges				...	...	...	
	Stationery and Printing				311	8	4	
	Advertisement Charges				.....		...	
	Lighting Pier and Yards				1,395	15	3	
								2,964 8 9
	(*b*) Contingencies Admissible without Detailed Audit—							
	Miscellaneous							2,208 8 0
								63,848 13 11
VIII.	Advances to Construction Account							31,000 0 0
	Total Expenditure							5,11,880 6 6
	Closing Balance on the 31st December 1894—							
	Government Securities (Par value 10,80,000)							10,86,113 10 10
	Cash in the Bank of Madras				16,524	15	11	
	General Cash in Office				6,056	1	4	
	Advance for Contingencies				500	0	0	23,081 1 3
								11,09,194 12 1
	Total Rupees							16,21,075 2 7

H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

Comparative Statement of Receipts and Charges of the Madras Harbour Trust under Act II of 1886 for nine months ending 31st December 1893 and 1894.

	ITEMS.	Actuals from 1st April to 31st Dec. 1893.	Actuals from 1st April to 31st Dec. 1894.	Plus or Minus.	REMARKS.
	REVENUE ACCOUNT.	RS.	RS.	RS.	
	Opening Balance	11,65,852	11,68,742	+ 2,890	
	Receipts.				
I.	Contributions from Port Funds	20,000	57,607	+ 37,607	
II.	Beach Imports: dues under Section 45 (*a*) I (i) (ii) (iii)	1,12,005	1,09,890	— 2,115	
	Pier do. do. do.	44,711	45,924	+ 1,213	
	Beach Exports do. do. do.	22,173	23,874	+ 1,701	
	Pier do. do. do.	32,841	36,548	+ 3,707	
	Wharfage do. II	5,280	4,120	— 1,160	
	Cranage do. III	30,211	31,671	+ 1,460	
	Storage do. IV	1,779	1,025	— 754	
	Demurrage do. V	...	362	+ 362	
	Dues for entry of Vehicles under Section 45 (*c*) VI	9,197	8,948	— 249	
	Provisions:—Dues on under Section 45 (*a*) I (i)	434	465	+ 31	
	Rent of Properties	852	504	— 348	
	Water: charge for—delivered at pier head	3,188	3,475	+ 287	
	Penalties under Section 84	...	...	...	
	Sundries	*4,307	...	— 4,307	* Sale proceeds of Casurina Plantation, and Unserviceable articles; also Law Charges recovered from the Trustees of Pachaiyappah's Charities.
III.	Porterage under Section 45 (*a*) I (iv)	...	...	...	
	Beach	44,528	45,818	+ 1,290	
	Pier	24,351	23,270	— 1,081	
	Miscellaneous	1,406	131	— 1,275	
IV.	Interest on Govt. of India, 4 per cent Pro Notes	20,565	27,701	+ 7,136	
	Amount refunded from construction Funds in repayment of advances made from time to time from Revenue Account	92,000	31,000	— 61,000	
	Total	4,69,828	4,52,333	...	
	Total including the opening Balance	16,35,680	16,21,075	...	
	Charges.				
I.	Interest (under Section 30)	2,18,478	2,22,913	+ 4,435	
II.	Repayment of Loan for Construction of Harbour under Sec. 31	1,00,000	1,00,000	...	
III.	Refunds	1,704	655	— 1,049	
IV.	*Establishment, Etc.*—				
	1. Chairman's salary	3,600	3,600	...	
	2. Secretary's salary	8,500	7,200	— 1,300	
	3. Correspondence Department	2,781	2,683	— 98	
	4. Accounts Department	4,699	4,974	+ 275	
	5. Cash Department	3,358	3,495	+ 137	
	6. Traffic Department (Shore Staff)	19,084	20,806	+ 1,722	
	7. Preventive Service	9,089	9,271	+ 182	
	8. Preventive Service Boatmen	876	895	+ 19	
	9. Tidal Observatory	...	30	+ 30	
	10. Exchange Compensation Allowance	...	3,540	+ 3,540	
	11. Contribution to Government for Pensions	369	623	+ 254	
	12. Do. to Provident Fund	74	60	— 14	
	13. Fees to Trustees	4,860	4,620	— 240	
V.	CONTINGENCIES.				
	(*a*)—*Subject to Regular Audit.*—				
	Postage	82	47	— 35	
	Receipt Stamps	145	156	+ 11	
	Telegrams	8	27	+ 19	
	Furniture	210	131	— 79	
	Fees for Audit	...	...	...	
	Law Charges	1,223	31	— 1,192	
	Stationery and Printing	1,396	2,950	+ 1,554	
	Advertisement Charges	393	230	— 163	
	Uniform for Preventive Service, &c.	1,318	1,442	+ 124	
	(*b*)—*Admissible without detailed Audit*—				
	Overtime Fees to Establishment	3,448	3,364	— 84	
	Do. Preventive Service and Boatmen	2,103	2,484	+ 381	
	Miscellaneous	4,798	2,581	— 2,217	
VI.	*Petty Construction and Repairs.*—				
	New Works	61	8,993	+ 8,932	
	Repairs	9,246	8,342	— 904	
	Tools and Plant	711	887	+ 176	
VII	*Porterage*—				
	1. Coolies, Beach	30,487	28,316	— 2,171	
	2. Do. Pier	11,118	12,273	+ 1,155	
	3. Do. Custom House	7,158	7,322	+ 164	
	4. Coasting Cargo	814	1,175	+ 361	
	5. Boat Hire	6	..	— 6	
	6. Engine Charges	862	1,836	+ 974	
	7. Steam Crane Charges	1,554	1,798	+ 244	
	8. Refunds	656	3,657	+ 3,001	
	9. Claims for Losses and Damage	319	679	+ 360	
	10. Provident Fund Deductions from Coolies' wages	331	810	+ 479	
	11. Do. Contributions by the Trust	674	810	+ 136	
	(*a*) *Contingencies, Subject to Regular Audit.*—				
	Postage	...	...	...	
	Receipt Stamps	11	2	— 9	
	Telegrams	...	...	...	
	Furniture	106	29	— 77	
	Tarpaulins	1,401	1,226	— 175	
	Law Charges	...	...	...	
	Stationery and Printing	390	312	— 78	
	Advertisement Charges	...	...	...	
	Lighting Pier and Yards	1,246	1,396	+ 150	
	(*b*) *Contingencies, Admissible without Detailed Audit.*—				
	Miscellaneous	2,049	2,209	+ 160	
VIII	Advances to Construction Account	92,000	31,000	— 61,000	
	Total	5,53,796	5,11,880	...	
	Closing Balance	10,81,884	11,09,195	...	
	Total	16,35,680	16,21,075	...	

H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

STATEMENT OF GOODS IMPORTED FROM FOREIGN PORTS.

—	Packages.	1891-92.	1892-93.	1893-94	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Apparel and Effects ...	Packages...	1,347	1,068	1,017	723	632	— 91
Alum	Barrels ...	326	686	910	900	648	— 252
Asphalte, Tar, & Pitch.	Casks ...	4,439	2,329	2,638	1,949	1,738	— 211
Acids	Cases ...	1,854	1,408	1,560	1,447	1,578	+ 131
Arms and Guns ...	,, ...	442	221	250	214	65	— 149
Arrack	Casks ..	884	833	1,031	804	892	+ 88
Blankets... ...	Bales ...	119	168	28	24	45	+ 21
Beef and Pork ...	Cases ...	36	...	...	...	...	...
Bricks ...	100 ...	1,021	551	1,550	1,550	858	— 692
Beer	Cases ...	6,123	8,710	7,013	5,158	3,715	— 1,443
	Barrels ...	1,140	1,707	1,401	1,061	1,501	+ 440
	Hogsheads	6,808	8,210	4,310	3,957	4,561	+ 604
Boiler	No. ...	51	32	48	43	17	— 26
Corks	Bundles ...	88	72	50	19	44	+ 25
Canvas	Bales	121	193	615	472	66	— 406
Candles	Cases ...	16,637	31,017	27,463	20,849	20,066	— 783
Colours	,, ...	3,838	3,286	2,998	2,430	2,271	— 159
Confectionery Provisions and Oilmanstores	,, ..	23,395	22,129	20,829	16,531	12,292	— 4,239
Crockery & Glassware.	Crates & Casks.	4,538	3,817	5,300	4,299	2,015	— 2,284
	Barrels ...	370	140	134	25	50	+ 25
Chalk	Tons ..	...	...	...	...	30	+ 30
Cement ...	Casks ...	14,522	7,369	8,904	6,968	5,559	— 1,409
Cast Iron Pipes and Tubes ...	Tons ...	335	1,436	989	826	1,182	+ 356
Camphor ...	Tubs ...	4,739	4,349	5,765	4,066	3,854	— 212
Coal	Tons ...	33,686	49,508	58,719	45,372	58,705	+ 13,333
Coke	,, ...	578	778	1,018	640	569	— 71
Fuel	,, ...	...	2,953	..	...	...	...
Crackers... ...	Cases ..	470	840	327	325	975	+ 650
Copper Plates and Tiles	No. ...	4,802	521	7,260	6,541	2,589	— 3,952
Corrugated Iron ...	Packages...	805	2,512	2,688	1,299	1,369	+ 70
Dynamite ..	Cases ...	13,040	8,035	10,598	6,928	5,403	— 1,525
Earthenware ...	Crates ...	2,313	1,886	2,168	1,280	854	— 426
Fire Clay ...	Casks ...	2,768	272	312	60	82	+ 22
Flour	Bags and Barrels ...	1,317	821	1,251	777	1,084	+ 307
Flannel ...	Bales ...	54	30	64	53	8	— 45
Gunpowder ...	Packages...	6,667	5,987	5,883	3,205	3,168	— 37
Harmonium ...	Cases ...	30	27	24	24	11	— 13
Hardware ...	Cases & Casks..	8,234	6,783	8,189	6,385	8,333	+ 1,948
Hops ...	Packages	129	64	297	53	202	+ 149
Iron ...	Tons ...	13,737	17,929	18,627	14,424	5,839	— 8,585
Iron Safes ...	No. ...	296	150	167	71	41	— 30
Kerosine Oil	Cases ...	397,862	251,320	342,671	1,83,016	166,395	— 16,621
	Tons	...	3,361	5,455	3,066	6,299	+ 3,233
Malt ...	Bags ...	445	407	22	13	56	+ 43
Millinery and Haberdashery ...	Cases ...	1,609	1,566	1,370	970	1,496	+ 526
Matches	,, ...	10,665	9,125	8,927	6,553	6,304	— 249
Machinery ...	Tons ...	3,099	3,241	4,817	3,177	2,671	— 506
Nails	Kegs ...	13,744	10,547	14,022	11,630	7,478	— 4,152
Oil and Turpentine ...	Drums ...	7,225	15,500	4,581	3,117	2,976	— 141
Piece Goods ...	Piece Goods	Cases&Bales	85,079	51,551 / 18,664	57,676 / 24,071	42,788	50,876	+ 8,088
	Twist.					16,903	18,513	+ 1,610
Paper ...	Bales ...	6,546	5,518	6,038	4,693	3,094	— 1,599

I. STATEMENT OF GOODS IMPORTED FROM FOREIGN PORTS—*contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Piano	No.	153	99	112	87	37	— 50
Printing Types	Cases	492	727	346	245	144	— 101
Pig Lead	No.	2,198	1,098	2,612	2,088	288	— 1,800
Paint	Kegs	7,758	10,257	5,770	5,153	5,269	+ 116
Rattan	Bundles	3,823	5,669	2,362	1,693	1,677	— 16
Soaps	Cases	1,650	970	2,172	1,742	669	— 1,073
Salt	,,	383	329	153	124	315	+ 191
Steel	Cases & Casks	864	3,343	794	760	238	— 522
Steel Bundles and Bars	No.	11,261	10,401	10,768	8,422	6,183	— 2,239
Steel Hoop	Bundles	5,567	1,597	4,930	4,874	1,855	— 3,019
Shovels	,,	275	499	29	2	39	+ 37
Sodawater Bottles	Crates	1,395	1,768	1,570	1,237	1,545	+ 308
Sulphur	Casks	752	435	1,128	225	10	— 215
Shot	Kegs	177	56	248	216	108	— 108
Sundries	Packages	48,408	33,606	56,235	42,994	40,647	— 2,347
Specie	No.	1,229	888	768	535	441	— 94
Sugar	Bags	2,152	1,196	4,198	2,666	81	— 2,585
Stationery	Cases	1,242	848	1,333	971	1,905	+ 934
Spelter	Cakes	836	8,786	22,921	9,264	3,128	— 6,136
Saw	Cases	70	48	79	64	10	— 54
Twine and Rope	Bales & Coils	438	455	458	414	138	— 276
Tin Plates	Boxes	5,608	4,649	6,669	4,834	3,203	— 1,631
Tin slabs	No.	...	...	...	...	1,474	+ 1,474
Tramway Material	Packages	...	...	...	...	5,231	+ 5,231
	Tons	...	...	...	...	87	+ 87
Wine and Spirits	Cases	37,877	44,739	36,048	25,981	22,618	— 3,363
	Casks	863	658	514	351	541	+ 190
	Puncheons	369	733	1,058	876	100	— 776
Window Glasses	Cases	5,972	12,000	10,425	9,669	5,178	— 4,491
White and Red Lead	Kegs	681	951	737	544	631	+ 87
Yellow Metal	Cases	3,076	3,361	2,784	2,314	2,270	— 44
Zinc Sheets	Packages	2,749	1,690	1,761	1,013	1,119	+ 106
Horses	No.	816	959	835	651	679	+ 28
Ponies	,,	70	112	131	141	109	— 32
Cows	,,	59	15	7	6	7	+ 1
Dogs	,,	13	14	3	...	45	+ 45
Elephants	,,	10	7	6	6	4	— 2
Carriages	..	...	8	9	9	7	— 2

II. STATEMENT OF STORES IMPORTED BY THE MADRAS RAILWAY COMPANY.

—	Packages.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Stores	Packages	82,105	72,434	47,040	46,648	7,356	— 39,292
	Tons	3,605	499	156	156	901	+ 745
Fuel	,,	...	...	...	...	...	...
Coke	,,	1,437	544	716	628	703	+ 75
Coal	,,	27	300	237	...	2,948	+ 2,948
Timber	,,	2,477	2,083	1,448	...	853	+ 853
Fire Brick	100	115	330	...	...	75	+ 75
Boiler	No.	...	...	...	...	4	+ 4

III. STATEMENT OF STORES IMPORTED BY THE SOUTH INDIAN RAILWAY COMPANY.

—	Packages.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Stores	Packages	68,282	22,171	28,640	10,444	13,349	+ 2,905
	Tons	...	...	992	22	...	— 22
Coke	,,	14	...	...	...	...	...
Coal	,,	...	...	...	...	...	...
Timber	,,	..	...	...	...	...	...
Boiler	No.	4	12	10	10	1	— 9
Fire Bricks	100	...	...	...	...	160	+ 160

IV. STATEMENT OF GOODS IMPORTED FROM COAST PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Apparel and Effects	Packages	451	343	527	266	411	+ 145
Alum	Barrels	10	187	7	7	144	+ 137
Acids	Cases	89	125	269	249	276	+ 27
Animals	No.	...	10	...	...	9	+ 9
Arms and Guns	Cases	45	12	13	6	10	+ 4
Boilers	No.	2	...	...	...	...	...
Bricks and Tiles	100	1,396	57	837	587	603	+ 16
Coffee	Bags	379	595	575	513	434	— 79
Candles	Cases	...	...	11	7	1	— 6
Colours	,,	1,225	1,531	1,591	1,430	1,012	— 418
Crockery and Glassware	,,	322	466	426	313	921	+ 608
Coal	Tons	13,249	13,792	22,152	15,475	15,905	+ 430
Coke	,,	...	...	..	...	...	...
Carpets	Bales	77	94	99	73	76	+ 3
Camphor and Benjamin	Tubs	682	1,306	432	383	801	+ 418
Copra	Bags	32	...	122	...	68	+ 68
Crackers	Cases	...	...	...	...	2	+ 2
Copper	,,	1,667	936	557	558	10	— 548
Do.	Tiles & Ingots	96	421	2,180	2,180	3,585	+ 1,405
Cutch and Lac	Packages	4,415	3,191	3,554	2,854	3,867	+ 1,013
Cast Iron Tubs Pipes	Tons	...	...	...	...	27	+ 27
Cocoanuts	No.	3	415	2,023	2,023	...	— 2,023
Earthenware	Crates	392	2,941	407	390	202	— 188
Do.	Pipes	2,626	6,315	950	950	156	— 794
Firewood	Tons	...	...	...	...	...	...
Flour	Bags & Barrels	7,248	11,682	12,270	8,744	13,498	+ 4,754
Gunnies	Bales	7,930	9,661	9,755	7,359	7,994	+ 635
Gram and Peas, &c.	Bags	271,682	380,145	395,249	3,30,103	222,945	— 1,07,158
Garlic	,,	2,945	1,215	6,007	5,492	7,159	+ 1,667
Hardware	Cases	641	1,197	1,507	1,315	1,889	+ 574
Horns	Bundles	880	980	511	325	725	+ 400
Hides	Bales	6,127	9,539	6,013	4,031	4,980	+ 949
Iron	Tons	231	293	155	106	156	+ 50
Iron Safes	No.	31	38	34	16	13	— 3
Kerosine Oil	Cases	...	...	500	500	...	— 500
Leaves	Bundles	6,508	3,742	5,113	4,635	2,491	— 2,144
Liquor	Cases	...	...	2,193	1,545	1,409	— 136
Machinery	Tons	158	79	49	31	195	+ 164
Millinery and Haberdashery	Cases	208	245	144	93	259	+ 166
Oil and Turpentine.	Drums	8,340	6,369	5,941	4,143	4,573	+ 430
Paddy	Bags	...	75,980	23,737	14,107	5,163	— 8,944
Piece-goods	Cases and Bales	3,802	4,756	3,499	2,680	3,805	+ 1,125
Paper	Bales	3,128	4,898	5,420	4,973	5,708	+ 735
Paint	Kegs	224	693	247	184	243	+ 59
Piano	No.	15	12	5	4	6	+ 2
Rice	Bags	1,147,048	205,176	110,181	82,404	80,721	— 1,683
Rose Water	Cases	1,434	1,815	1,357	1,001	1,383	+ 382
Seeds	Bags	30,406	25,747	13,916	10,971	10,514	— 457
Skins	Bales	6,199	50,502	6,807	5,084	5,446	+ 362
Silk	,,	1,051	699	290	251	423	+ 172
Sandalwood	Bundles	143	121	42	34	218	+ 184
Sugar	Bags	1,381	866	1,333	923	1,897	+ 974
Specie	No.	202	190	193	47	25	— 22
Sundries	Packages	47,533	47,137	48,614	30,285	39,574	+ 9,289
Soap	Cases	445	40	147	46	675	+ 629
Sulphur	Casks	471	544	506	320	295	— 25
Spice	Packages	359	740	640	587	765	+ 178
Station	,,	...	...	...	...	124	+ 124
Soda water Bottles	Crates	...	...	241	232	1,446	+ 1,214
Twine and Rope	Bales and Coils	839	775	1,063	967	1,166	+ 199
Tin Plates	Boxes	1,807	912	858	651	977	+ 326
	Slabs	...	...	...	...	61	+ 61
Twist	Bales	1,126	1,147	1,206	965	812	— 153
Turmeric	Bags	7,224	4,977	5,433	3,669	4,517	+ 848
Timber	Tons	15,137	10,595	15,264	9,691	9,434	— 257
Tea	Cases	1,321	3,411	37	37	156	+ 119
Tamarind	Bundles	...	...	140	88	86	— 2
Yellow Metal	Cases	6	542	1,078	1,078	279	— 799
Horses	No.	1	15	8	8	...	— 8
Two-wheeled Carriages.	No.	...	4	5	3	5	+ 2
Four-wheeled Carriages.	No.	...	3	19	5	2	— 3
Tramway Materials	Tons	...	...	...	...	13	+ 13

V. STATEMENT OF GOODS EXPORTED TO FOREIGN PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Bone Meal ...	...	...	...	...	...	5,057	+ 5,057
Beer and Ale ...	Cases	18	2	13	12	...	— 12
	Casks	60	7	...	...	...	...
	Hogsheads ...	3	...	...	...	...	...
Cinchona Bark ...	Bales	471	529	411	411	121	— 290
Chillies	Bags & Bundles.	2,760	9	816	446	669	+ 223
Cigars	Cases	1,249	556	643	369	452	+ 83
Coffee	Bags	23,764	34,613	17,737	3,618	10,070	+ 6,452
Cotton	Bales	48,202	26,140	56,788	52,552	38,904	— 13,648
Cotton Twist ...	,, ...	4,229	5,266	1,946	1,211	1,557	+ 346
Coriander and Omum Seeds ...	Bags	8,218	1,814	7,377	5,076	10,100	+ 5,024
Carpets	Bales	418	288	391	215	145	— 70
Coal	Tons	905	313	599	305	152	— 153
Deer Horns ...	Packages ...	1,574	1,549	767	567	1,124	+ 557
Explosive ...	Cases	21	1	...	...	2	+ 2
Firewood ...	Tons	...	...	...	...	...	...
Four-wheeled Carriages ...	No.	8	2	3	3	1	— 2
Ground Nuts ...	Bags	93,132	26,209	138,211	130,432	1,06,793	— 23,639
Gram, Peas, &c....	,, ...	519	161	1,662	1,639	430	— 1,209
Horns, Cow and Buffalo ...	Tons	62	29	1,026	23	70	+ 47
Hides, Tanned ...	Bales & Bundles.	21,848	21,812	11,149	7,566	13,019	+ 5,453
Hardware ...	Cases & Casks.	...	...	...	...	273	+ 273
Indigo	Cases & Chests.	14,622	29,933	25,008	15,065	14,515	— 550
Iron	Tons	2	11	17	13	3	— 10
Jaggery	Bags	28,985	56,672	52,668	52,668	17,809	— 34,859
Myrabolams ...	Bags	235	91	563	563	234	— 329
Miscellaneous ...	Packages ...	37,808	28,547	36,531	17,920	11,798	— 6,122
Onions	Bags & Baskets	21,964	5,617	17,517	13,714	5,531	— 8,183
Oil	Casks	434	56	208	202	443	+ 241
Provisions ...	Packages ...	...	...	...	...	3,285	+ 3,285
Piece-goods ...	Bales and Cases.	6,205	4,857	7,305	5,096	6,001	+ 905
Potatoes	Bags & Baskets.	2,437	282	1,716	968	1,346	+ 378
Poonac	Bags	33,880	16,127	31,311	25,366	36,513	+ 11,147
Piano	No.	41	10	15	15	3	— 12
Paddy ...	Bags	...	5	22	22	...	— 22
Rice	,, ...	1,138	3,229	16,915	12,469	38,944	+ 26,475
Redwood	Tons	699	1,654	733	431	699	+ 268
Salt	,,	...	...	...	...	7	+ 7
Seeds, Gingelly and Castor ...	Bags	1,313	12,654	14,777	9,724	75,330	+ 65,606
Skins, Sheep and Goat, Tanned...	Bales	32,194	34,063	31,535	19,966	29,008	+ 9,042
Sandalwood ...	Bundles ...	1,534	330	699	698	250	— 448
Spirits and Wine	Cases	332	41	67	19	16	— 3
	Casks	977	65	40	39	9	— 30
	Puncheons ...	...	...	...	...	...	...
Sugar	Bags	599	161	1,197	854	1,410	+ 556
Specie	Boxes	94	48	29	27	119	+ 92
Tamarind ...	Bundles ...	6,445	5,331	3,076	1,095	3,445	+ 2,350
Turmeric... ...	Bags	2,159	941	1,562	1,137	3,135	+ 1,998
Tea	Cases	2,265	1,769	1,649	1,409	1,613	+ 204
Two-wheeled Carriages ...	No.	1	...	3	2	3	+ 1
Wool	Bales	1,021	1,470	1,532	954	1,430	+ 476
Yellow Metal ...	Tons	107	100	417	287	7	— 280
Horses	...	...	...	...	...	24	+ 24
Ponies	...	...	...	...	...	9	+ 9
Elephant... ...	...	...	...	...	...	2	+ 2
Lion	...	...	...	...	...	1	+ 1
Tiger	...	...	...	...	...	1	+ 1
Leopards... ...	...	...	...	...	...	6	+ 6
Bear	...	...	...	...	...	1	+ 1
Sheep	...	...	...	...	...	79	+ 79

VI. STATEMENT OF GOODS EXPORTED TO COAST PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year
Beer and Ale ...	Cases ...	352	294	305	179	293	+ 114
	Casks ...	159	94	91	30	115	+ 85
	Hogsheads ...	7	41	161	137	86	— 51
Boiler ...	No. ...	...	...	1	1	...	— 1
Cinchona Bark ...	Bales	395	84	80	...	...	...
Chillies	Bags & Bundles	2,064	2,907	9,207	7,788	2,160	— 5,628
Cigars	Cases ...	1,418	1,136	789	528	484	— 44
Coffee	Bags ..	507	1,449	541	358	404	+ 46
Cotton	Bales ...	5,721	4,245	7,080	6,844	4,912	— 1,932
Cotton Twist ...	,, ...	4,698	6,138	3,220	2,187	2,343	+ 156
Coriander and Omum Seeds	Bags ...	2,970	7,002	6,894	4,283	2,037	— 2,246
Cement ..	Casks ...	...	8,908	132	54	45	— 9
Carpets	Bales ...	68	51	41	32	22	— 10
Coal	Tons ...	275	450	157	107	340	+ 233
Deer Horns ..	Packages ...	108	151	52	52	...	— 52
Explosive ...	Cases ...	2,668	1,331	1,067	32	33	+ 1
Eggs	Pots ...	1,165	1,125	1,198	750	731	— 19
Firewood... ..	Tons ..	2	...	...	...	...	...
Four-wheeled Carriage	No. ...	21	31	27	20	16	— 4
Groundnuts ...	Bags ...	27,790	17,839	16,116	9,110	46,168	+ 37,058
Gram, Peas, &c. ...	,, ...	521	1,226	233	206	304	+ 98
Horns, Cow and Buffalo...	Tons ...	310	307	166	94	680	+ 586
Hides ...	Bales & Bundles	379	526	535	412	190	— 222
Hardware ..	Cases and Casks.	...	...	...	...	501	+ 501
Indigo	Cases & Chests..	165	816	1,162	910	155	— 755
Iron	Tons ...	2,244	2,611	755	430	371	— 59
Old Iron ...	Tons ...	...	...	...	...	65	+ 65
Jaggery	Bags ...	258	1,448	336	195	363	+ 168
Kerosine Oil ...	Cases ...	10,327	659	1,117	592	5,754	+ 5,162
Myrabolams ...	Bags ...	1,054	291	1,112	1,097	42	— 1,055
Miscellaneous ...	Packages ...	50,510	69,584	61,706	45,054	14,111	— 30,943
Onions	Bags & Baskets	22,442	53,406	47,062	42,644	69,322	+ 26,678
Oil	Casks ...	807	637	346	226	575	+ 349
Piece-goods ...	Bales & Cases	5,615	8,651	6,368	4,471	6,510	+ 2,039
Potatoes	Bags & Baskets	23,637	24,388	30,592	30,088	19,811	— 10,277
Poonac	Bags ...	4,770	22,131	9,853	8,438	365	— 8,073
Piano	No. ...	23	16	17	12	8	— 4
Paddy	Bags ..	...	8,806	8,400	8,400	4,123	— 4,277
Provisions ...	Packages ...	...	...	...	...	1,409	+ 1,409
Rice	Bags ...	5,448	31,893	11,083	9,020	6,135	— 2,885
Redwood	Tons ...	119	693	4	4	43	+ 39
Seeds, Gingelly and Castor	Bags ...	16,803	2,787	36,799	17,369	59,408	+ 42,039
Skins, Sheep & Goat, Tanned ...	Bales	721	1,046	871	676	1,476	+ 800
Sandalwood ...	Bundles ..	153	256	2,786	2,765	317	— 2,448
Spirits and wines.	Cases	2,982	3,783	3,045	2,338	2,034	— 304
	Casks	727	716	992	905	307	— 598
	Puncheons ...	13	189	214	210	...	— 210
Sugar	Bags	773	1,419	473	450	575	+ 125
Specie	Boxes	236	510	47	36	56	+ 20
Salt	Bags ...	...	...	...	...	3,997	+ 3,997
Tamarind ...	Bundles ...	3,624	8,253	5,090	3,006	2,061	— 945
Turmeric... ...	Bags	19,258	17,883	38,147	28,426	42,898	+ 14,472
Tea	Cases	341	62	50	36	74	+ 38
Two-wheeled Carriage	No.	15	16	12	8	13	+ 5
Wool	Bales	769	603	463	340	160	— 180
Yellow Metal ...	Tons	53	67	256	256	28	— 228

VII. STATEMENT OF STORES, &c., IMPORTED BY GOVERNMENT.

Department.	Description.	Class.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Accountant-General.	Specie Silver.	Boxes	403	582	533	258	277	+ 19
	,, Copper.	,,	5,100	710	780	560	180	— 380
	Silver&Copper Notes ...	,,	...	...	...	...	...	...
	Packages ...	No.	32	19	30	1	...	— 1
Public Works Department	Boilers ...	No.	27	1	...	...	...	...
	Coal ...	Tons	2	...	...	...	...	...
	Coke ...	,,	50	20	...	...	...	...
	Iron ...	,,	...	...	...	...	...	...
	Stores ...	Pkgs.	271	9	19	...	64	+ 64
Ordnance ...	Coal ...	Tons	15,148	6,494	10,812	10,278	1,202	— 9,076
	Ammunition..	Boxes	...	...	1,450	...	145	+ 145
	Stores ...	Pkgs.	2,148	...	109	...	8,756	+ 8,756
Madras Harbour Works	Cement ...	Casks	13,017	28,566	21,057	19,925	14,284	— 5,640
	Stores ...	Pkgs.	1,869	...	...	...	5,600	+ 5,600
	Coal ...	Tons.	3,869	...	...	...	40	+ 40
Clothing ...	Packages ...	No.	...	...	...	...	...	...
Police ...	,, ...	,,	1,983	2,324	2,176	1,537	825	— 712
Salt Revenue ...	,, ...	,,	122	167	196	139	127	— 12
Post Office ...	,, ...	,,	272	291	109	72	74	+ 2
Medical ...	,, ...	,,	1,119	858	742	545	2,322	+ 1,777
Telegraphs ...	,, ...	,,	1,779	1,007	1,920	1,071	229	— 842
Stationery ...	,, ...	,,	34,768	24,126	9,129	7,928	8,211	+ 283
Stamps ...	,, ...	,,	732	1,197	1,156	874	709	— 165
Commissariat ..	,, ...	,,	1,961	1,122	1,861	1,711	1,410	— 301
Gazette Press ...	,, ...	,,	8,588	7,420	2,562	2,118	2,987	+ 869
Marine ...	,, ...	,,	161	149	97	90	242	+ 152
Revenue Survey...	,, ...	,,	729	880	806	473	214	— 259
Agriculture ...	,, ...	,,	297	208	25	18	33	+ 15
Government Central Museum ...	,, ...	,,	380	320	140	140	5	— 135
Under-Secy. to Government ...	,, ...	,,	15	10	9	8	5	— 3
Supt. of Prisons...	,, ...	,,	235	504	85	68	53	— 15
Revenue Board ...	,, ...	,,	1	17	7	7	14	+ 7
Forests ...	,, ...	,,	424	33	9	8	9	+ 1
Presidency College	,, ...	No.	1,196	10	3	2	1	— 1
School of Arts ...	,, ...	,,	28	15	2	2	2	...
Inspector of Cattle Diseases ...	,, ...	,,	3	1	1	1	...	— 1
Chemical Examiner	,, ...	,,	9	100	...	...	...	...
Medical College...	,, ...	,,	31	31	36	10	33	+ 20
Dy. Collectors ...	,, ...	,,	73	31	41	16	...	— 16
Astronomer ...	,, ...	,,	9	15	12	6	...	— 6
Presy. Pay Master.	,, ...	,,	23	13½	20	17	4	— 13
Registration ...	,, ...	,,	2	8	4	4	10	+ 6
Director of Public Instruction ...	,, ...	,,	7	4	1	...	...	...
Superintendent, Remount Depôt, Hussur.	,, ...	,,	9	139	4	4	1	— 3
Resident, Mysore, in Bangalore.	,, ...	,,	...	600	214	211	1	— 210
Qr.-Master Genl...	,, ...	,,	...	2	9	8	3	— 5
Registrar of High Court ...	,, ...	,,	...	3	14	14	...	— 14
Curator Govt. Garden, Ooty ...	,, ...	,,	...	1	4	2	2	...
Civil Engineering College ...	,, ...	,,	...	...	40	...	...	...
Secy. to the Chief Commissioner of Croog, Bangalore.	,, ...	,,	...	...	44	20	15	— 5
Rev. Settlement..	,, ...	,,	...	...	...	...	1	+ 1
Executive Engineer, Military Works ...	,, ...	,,	...	...	...	...	...	...
Secretary for Berar Hyderabad ...	,, ...	,,	...	...	...	...	581	+ 581
Collector ...	,, ...	,,	...	...	7	...	...	— 18
O/c. No. 4 Co. E. Dn. R. A. Fort.	,, ...	,,	...	...	...	...	4	+ 4
O/c. 21 Madras Pioneers Bangalore...	,, ...	,,	...	...	...	...	1	+ 1

STATEMENT OF STORES, &c., IMPORTED BY GOVERNMENT.—*Contd.*

Department.	Description.	Class.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Controller, Military Accounts...	Packages ...	No.	...	...	...	...	2	+ 2
Agent for Government Consignments ...	,, ...	,,	...	...	...	...	474	+ 474
Government Botanical Gardens...	,, ...	,,	...	...	...	...	279	+ 279
Commissioner of Paper currency	,, ...	,,	...	...	...	...	7	+ 7
O. C., 9th Co., S. Dn. R.A., Fort St. George ...	,, ...	,,	...	...	...	...	1	+ 1
O. C., ½ Bn. 1st Cheshire Regt., Fort ...	,, ...	,,	...	..	...	...	5	+ 5
Officer in charge, Pensioners, Madras ...	,, ...	,,	...	...	...	...	1	+ 1
O. C., Q. O. Sap. and Miners, Bangalore ...	,, ...	,,	...	...	...	...	3	+ 3
O. C., S. Dn., R. A., Madras ...	,, ...	,,	...	...	...	...	1	+ 1
Sanitary Commissioner ...	,, ...	,,	...	...	...	1	...	— 1
Pay Examiner ...	,, ...	,,	...	..	...	...	...	+ 1

VIII. STATEMENT OF STORES, &c., EXPORTED BY GOVERNMENT.

Department.	Description.	Class.	1891-92	1892-93	1893-94	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Accountant-General	Specie Silver.	Boxes.	411	45	95	95	17	— 78
	,, Copper.	,,	965	200	163	163	75	— 28
	,, Notes...	,,	6	13	8	6	4	— 2
	,, Packages	No.	4	1	1	1	1	...
Bank of Madras...	,, Silver...	Boxes.	34	...	...	...	...	...
,, ,, ...	,, Copper.	,,	...	62	84	84	45	— 39
Ordnance ...	Packages & Pieces.	No.	8,595	5,831	9,257	4,988	6,760	+ 1,772
Public Works Department ...	,, ...	,,	1,784	488	3,203	466	888	+ 422
Clothing ...	,, ...	,,	1,327	1,096	998	878	734	— 144
Police ...	,, ..	,,	889	974	955	769	886	+ 117
Salt Revenue ...	,, ..	,,	591	785	724	528	826	+ 298
Medical ...	,, ...	,,	1,377	1,610	2,166	1,381	641	— 740
Telegraph ...	,, ...	,,	8,845	4,330	4,945	2,671	2,639	— 32
Stationery ...	,, ...	,,	693	780	623	356	350	— 6
Stamps ...	,, ...	,,	220	298	236	159	161	+ 2
Commissariat ...	,, ...	,,	7,971	6,205	5,301	4,376	4,824	+ 448
Gazette Press ...	,, ...	,,	526	503	478	323	449	+ 126
Marine ...	,, ...	,,	390	366	37	30	85	+ 55
Revenue Board ...	,, ...	,,	77	37	87	86	67	— 19
Revenue Settlement	,, ...	,,	51	84	53	40	22	— 18
Revenue Survey...	,, ..	,,	75	452	223	206	120	— 86
Superintendent of Prisons ...	,, ...	,,	69	196	103	88	58	— 30
Registration ...	,, ...	,,	66	43	17	1	50	+ 49
Conservator of Forests ...	,, ...	,,	34	33	5	1	4	+ 3
Quarter-Master General ...	,, ...	,,	...	4	...	...	...	...
Government Central Museum ...	,, ...	,,	10	22	13	13	...	— 13
Deputy Collectors.	,, ...	,,	2	9	...	...	...	...
Government Astronomer ...	,, ...	,,	...	18	13	9	11	+ 2
Agriculture ...	,, ...	,,	15	8	2	2	...	— 2
General Hospital..	,, ...	,,	...	...	...	...	...	...
State Railways ...	,, ...	,,	100	...	...	...	...	...

STATEMENT OF STORES, &c., EXPORTED BY GOVERNMENT (*Continued.*)

Department.	Description.	Class.	1891-92.	1892-93.	1893-94.	Total for 9 months ending 31st December 1893.	Total for 9 months ending 31st December 1894.	Increase or Decrease as compared with corresponding period of last year.
Govt. Botanists ...	,, ...	,,	...	...	...	...	37	+ 37
Inspector of Cattle Diseases ...	,, ...	,,	3	1	...	...	.	...
Chemical Examiner.	,, ...	,,	...	1	...	...	...	...
Director of Public Instruction ...	,, ...	,,	10	6	13	13	1	+ 12
Registrar of University ...	,, ...	,,	13	10	5	5	5	...
Collectors ...	,, ...	,,	10	...	6	6	...	— 6
Curator of Government Garden, Ooty	,, ...	,,	11	...	12	9	...	— 9
Engineer, H. T. Board ...	,, ...	,,	...	...	2	...	.	...
Crown Officer, High Court ...	,, ...	,,	14	18	5	5	...	— 5
School of Arts ...	,, ...	,,	...	...	...	...	...	...
Secretary to Government, Public Department ...	,, ...	,,	2	...	...	...	...	...
Registrar-General of Births, Deaths and Marriages ...	,, ...	,,	...	...	...	...	...	...
Inam Commissioner	,, ...	,,	1	...	...	...	...	...
Consulting Engineer to Government Railways.	,, ...	,,	20	...	...	...	...	...
Civil Engineering College ...	,, ...	,,	...	1	...	...	...	...
Superintendent, Census Operations.	,, ...	,,	...	4	1	1	...	— 1
Post Office ...	,, ..	,,	...	2	2	2	...	— 2
Sanitary Commissioner. ...	,, ...	,,	...	2	2	2	...	— 2
Registrar of High Court ...	,, ...	,,	...	...	...	...	22	+ 22
Supt., District Jail Bellary ...	,, ...	,,	...	...	...	...	1	+ 1
Asst. Engr. D.P.W. Govt. Brick field	,, ...	,,	...	...	...	...	52	+ 52
O/c. 6th Regt. M. I. Madras ...	,, ...	,,	...	...	...	..	17	+ 17

To

THE SECRETARY,
Harbour Trust Board, Madras.

S. HUTCHENCE,
Traffic Manager,
Harbour Trust Board.

MADRAS HARBOUR WORKS

Report of Progress on the Madras Harbour Works for the Quarter ending 31st December 1894.

Accompanying this report are the following plans and statements :—

No. 38 (*a*) A plan of the Harbour to a scale of 200 feet to an inch, showing in red the position and quantity of work done during the quarter. The contours in half fathoms shown on this plan outside the Harbour are those of the last complete Marine Survey of 1889, and the contours inside the Harbour are from the latest Survey of 1893.

2. The positions of the High Water Mark of 31st December 1893, and those of the previous twelve months, both to the North of the revetment and the South of the Harbour, are shown in comparison.

No. 38 (*b*) A revised plan showing in detail the advance made during the quarter at the Pier-heads as now being constructed, and the positions of the caissons for completing both the Piers of the Harbour with an Eastern Entrance of 520 feet.

No. 39 (*c*) A statement comparing the expenditure on different sub-heads of work up to end of the quarter, with the provisions of the sanctioned estimate.

No. 39 (*d*) A statement showing work done under different sub-heads and particulars of cement received and issued.

3. The various sub-heads of work, etc., throughout the Harbour Works are reported as follows :—

4. **North Pier-head.**—At the North Pier-Head, all work to be done during the quarter, October, November and December 1894, was above water-level, and due to the North-East Monsoon setting in, early in October, the concrete work in the capping, and building of the Lighthouse, had to be proceeded with continuously, at intervals when the weather appeared settled for a few days.

5. Fortunately there was no storm during the quarter, but the spray from the wave-breakers and rain, stopped all work for days together.

6. The North Pier Caisson was completed to the full height of 53 feet by the 7th October, and in five days from the 9th October, the Pier-Head, Lighthouse, and Tidal Observatory was built of concrete *en masse*.

7. To the close of the quarter, or in 24 working days, 257 lineal feet of capping × 38 feet wide × an average depth of 6½ feet, was completed, bringing up the finished height of the masonry wall to 13 feet above DeHavilland's Mean Sea Level, completing the North Pier-Head, to the sanctioned Design.

8. Early in December, the Self Registering Tidal Instruments, were erected in the Lower Chamber in the Lighthouse, and the Madras Tidal Observations were recommenced under most favourable conditions, which has met the approval of Colonel Hill, R. E. in charge of the Tidal and Levelling Operations of India.

9. **South Pier-head.**—Early in October, the state of the sea around the South Pier-Head, was just quiet enough to allow the divers to set in position the two last temporary courses required for compressing the caisson foundations, and this work was completed by the 13th October; or in 8 working days, 40 superstructure blocks were set, advancing the South Pier-Head by a length of 10'-8½".

10. The crane was then withdrawn to shore for the monsoon.

11. By the 17th December the sea was calm and the water clearer, the crane was therefore run out to the end of the Pier to make an attempt at the removal of the old blocks, overthrown from the old Pier-Head; but the water was so thick below, and with so strong an under-current, that a diver cannot stand.

12. Dredging was therefore resorted to, to the close of the quarter, to undermine and overthrow the old blocks into deep water, where the divers have since been able to sling and raise over thirty of these blocks, which were left in a heaped up mass by the storm of 1881, and lying in the way of the caisson.

13. It is due to the general rough sea and these overthrown old blocks being left in such confusion by the storm which wrecked the Harbour, that the work of reconstruction has been so costly, difficult, and slow. Every block has had to be slung by two divers, securing it by a 1½" chain, 35 feet in length, which is as much as the men can handle even in quiet water, and most of these blocks were found half buried in the rubble, all of which had to be removed by hand as no Dredger could approach the blocks near enough, or into the interstices between the blocks to remove it

14. Where the blocks were heaped up, the Divers had to crawl through these interstices, in water thicker, and darker than the densest fog, to sling each block; and this could only be done when the sea was calm, and without any motion below; and therefore a new work, would have cost considerably less, and have been completed in much less time; but I am pleased to be able to report, at this date, that the last old block has been recovered, and this difficulty and delay, overcome.

15. Progress at the close of the quarter at the South Pier-Head, was as advanced as it was at the North Arm, in the corresponding quarter last year; so that the caisson will be set early in March 1895, or earlier if sufficient rubble base can be dredged up before then.

16. I should mention there will be greater difficulties to overcome in the setting of the South Pier Caisson, than I met with at the North Pier, due to more rubble base having originally been deposited than at the North Pier-Head; all of which has to be excavated seven feet deeper, and raised in boxes charged by Divers, as the mound of rubble to be removed is out of reach of the Crane, till the Caisson has been set.

17. The Caisson must, therefore, draw less water on being set consequently more temporary ballast in the form of blocks, will be required to hold it down; while the concrete filling is being put in, and there will be the additional risk of movement by wave motion while light, due to there being at this South Arm, no

old Pier-Head left to afford the shelter which was rendered to the North Pier caisson while in this condition; by the standingportion of the old damaged North Pier-Head.

18. The Caisson for the South Pier-Head was erected to a height of 23 feet and made water-tight inside the small basin built for the purpose, which was pumped dry by No. 7½ Pulsometer provided for the purpose.

19. The Arms protecting this small Dock from the surf during the building of the Caisson were temporarily extended until a sufficient depth of water was obtained, and on Sunday, the 6th January 1895, the Caisson was successfully launched, through the surf, and towed to the North Arm where it is being charged with concrete and built to the full height of 53 feet and will be set in position early in March, or as soon as the work at the South Pier-Head can be made ready to receive it.

20. **Protective Works North of the Harbour.**—No further settlement along the line of revetment, above water level, could be detected during the Quarter.

21. The Bay at the end of the revetment increased slightly to the 10th October after which date, with the setting in of the North East Monsoon, further scouring ceased, and the High Water Mark advanced by 200 feet to the close of the quarter.

22. **Foreshore South of the Harbour.**—The High Water Mark to the South of the Harbour has receded, or a scour of 150 to 160 feet has taken place during the quarter, September to December 1894; which has left the foreshore at an unnatural steep slope, which from the first rough sea in the monsoon, must level down to its natural slope, when the High Water Mark will return shorewards or nearer to the line of the High Water, recorded in December 1893.

23. **Sea Bottom within the Harbour.**—The High Water line within the Harbour, has considerably receded along the Southern half of the foreshore during the quarter, and was inshore of the High Water Mark of September 1893; showing a maximum decrease of foreshore during the quarter of 90 feet near the South Pier.

24. Throughout the length of the foreshore along the North half of the Harbour, the High Water line has advanced 20 feet, which accretion is about equivalent to the erosion to the Southern half of the Harbour, showing the usual shifting foreshore, due to the change of the monsoon, but no permanent advance.

Progress Statement No. 39 (*c*)

MADRAS HARBOUR WORKS.

Statement showing Progress during Quarter ending 31st December 1894, as shown on accompanying Tracings, Nos. 38 (a) and 38 (b).

NOTE.—The Figures in red denote for comparison progress and quantity of work done in quarter ending 31st December 1893.

No. of Item.	Particulars and Quantity of Work, &c.	Sub-heads of Work.	North Pier. Rubble Base.	North Pier. Pier Head.	North Pier. Wavebreaker.	North Pier. Concrete Capping.	North Pier. Base Protection.	South Pier. Rubble Base.	South Pier. Pier Head.	South Pier. Wavebreaker.	South Pier. Concrete Capping.	South Pier. Base Protection.	Railway Lines. At Works.	Railway Lines. At Quarries.	Railway Lines. Sand Line.	Railway Lines. Beach Improvements.	Railway Lines. Pallavaram Quarries Outturn.	Railway Lines. Concrete Blockmaking.	Protective Works	Total Expenditure.
		Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Rubble Stone dredged up from Base ...Tons	...	...	...	...	...	...	...	351	...	...	...	...	...	...	...	...	...	...	...
2	Do. redeposited in Base ... „	...	351	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Total quantity Rubble Stone received on Works „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Do. Blasted Chips do. „	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...
5	Concrete Blocks—Set by Divers ... Number.	...	...	...	...	...	...	...	40	...	...	...	...	...	...	...	...	...	...	...
6	Do. recovered from old Work „	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
7	Do. made for Superstructure „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Do. made at Pier Head in Situ „	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Total out-turn of Concrete ... Cubic yards.	...	...	...	2,712¾	...	...	576	...	...	...	...	...	...	...	...	...	...	...	...
10	Advance or progress of completed capping ... Ry. feet.	...	...	...	257	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Do. do. superstructure „	...	...	...	...	...	...	10·9	...	...	...	...	...	...	...	...	...	...	...	...
12	Rubble Base protected with Concrete „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Metre Gauge, 40 lbs. per yard laid new „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Do. do. relaid or renewed „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Do. do. taken up „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Broad Gauge, 50 lbs per yard laid „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Do. do. relaid or renewed „	...	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Do do. taken up „	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Titan Gauge, 75 lbs. per yard laid new „	...	...	...	...	...	...	...	332	...	...	...	...	...	...	...	...	...	...	...
20	Do. do. relaid or renewed „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Do do. taken up „	...	260	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22																				
23																				
24	Approximate Expenditure under Sub-heads of Work ... Rupees...	...	...	...	31,626	...	...	28,466	...	70	...	...	...	...	...	...	...	...	...	60,162

		Tons.	Cwts.	Qrs.	lbs.	Quantity due on Indents.	Tons.	Cwts.	Qrs.	lbs.
Casks of Cement received on Works during Quarter ending 31st Dec. 1894 containing	...	...	...	...	...					
2,200¼ Do. do. issued for do. do. do.	...	392	18	0	5	8,400 Casks	1,500	...	...	...
6,045¼ Do. do. Balance in Store at end of do. do. ...	...	1,07[illegible]	11	5	7					

A. LEE POGSON,
Engineer, Harbour Trust Board.

MADRAS, *4th February* 1895.

25. **Summary of Progress.**—The following statement is the Summary of Progress made on the Harbour Works during the quarter under review.

26. **Expenditure.**—The expenditure to the end of the quarter including Establishment, Tools and Plant and Contingencies is ... ... Rs...1,24,06,966

Out of the total estimated cost of ...1,23,83,386
Add recovery on Tools and Plant ... 2,77,331

leaving a Balance of 2,53,751
to be spent for completion, or work to be done.

27. **Miscellaneous.**—The usual repairs and the upkeep of all machinery, cranes Railway lines, etc., and all haulage of coal and other traffic was done by the Harbour Works locomotives for the Traffic Department as usual.

A. LEE POGSON,
Engineer, Harbour Trust Board.

MADRAS, HARBOUR WORKS OFFICE,
4th February 1895.

MADRAS HARBOUR WORKS.

COMPARISON OF EXPENDITURE TO DATE WITH SANCTIONED ESTIMATE FOR THE QUARTER ENDING 31st DECEMBER 1894.

Sub-head of Work.	As per Estimate Sanctioned in Secretary of State Despatch No 1, dated 7th January 1892.					As Executed.					Arrears not paid.		Value of work done up to date, columns 11 and 12.		Remarks.
	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure. Total up to end of last Quarter.	During the Quarter.	Up to date.					
1	2	3	4	5	6	7	8	9	10	11	12		13		14
Expenditure up to 31st December 1884.		Rs. A. P.		Rs.	Rs.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.		
1 Works	.....	...	...	55,09,324	...		...	55,09,324 8 10	...	55,09,324 8 10	...		55,09,324 8 10		
2 Establishment	.....	...	...	5,29,904	...		...	5,29,904 0 0	...	5,29,904 0 0	...		5,29,904 0 0		
3 Tools and Plant	.....	...	...	5,15,262	...		...	5,15,262 6 0	...	5,15,262 6 0	...		5,15,262 6 0		
Total	.....	...	...	...	65,54,490		...	65,54,490 14 10	...	65,54,490 14 10	...		65,54,490 14 10		
Revised Estimate.															
4 Alteration and extension of block ground	... Prely...	...	...	5,892	5,892	...	...	5,892 0 11	...	5,892 0 11	...		5,892 0 11		
North Pier.															
5 Ordinary rubble deposited from breakwater.	Tons	13,930	1 12 0	Ton	24,378		13,930	1 12 0	24,377 9 0	...	24,377 9 0	...		24,377 9 0	
6 Do from boats	,,	2,06,896	2 0 5	,,	4,19,218		2,05,477	2 0 8	4,15,132 8 10	...	4,15,132 8 10	4,085 7 2		4,19,218 0 0	
7 Concrete blocks for building	C. yds.	51,320	11 8 0	C. yd.	5,90,110		51,320	11 8 0	5,90,110 0 0	...	5,90,110 0 0	...		5,90,110 0 0	
8 Setting blocks at commencement of new work	,,	2,615	2 1 1	,,	5,415		2,615	2 1 1	5,414 11 2	...	5,414 11 2	...		5,414 11 2	
9 Do. from 2,200 to 3,600 feet	,,	36,520	2 14 3	,,	1,05,569		36,520	2 14 3	1,05,569 0 0	...	1,05,569 0 0	...		1,05,569 0 0	
10 Do. at Pierhead	,,	12,185	9 8 11	,,	1,16,424		12,185	9 8 10	1,16,423 6 0	—8 2 0	1,16,415 4 0	0 10 0		1,16,415 14 0	
11 Concrete in mass for filling	,,	263	4 8 3	,,	1,188		263	4 8 3	1,188 0 7	...	1,188 0 7	...		1,188 0 7	
12 Wavebreaker blocks	,,	288	9 5 7	,,	2,692		288	9 5 7	2,692 0 0	...	2,692 0 0	...		2,692 0 0	
13 Do. concrete blocks	,,	77,355	10 14 11	,,	8,45,591		69,863	12 1 8	8,45,458 13 0	0 15 4	8,45,459 12 4	...		8,45,459 12 4	
14 Depositing do.	,,	77,932	1 0 0	,,	77,928		70,457	1 1 8	77,918 8 4	...	77,918 8 4	9 7 8		77,928 0 0	
15 Concrete in protection to Rubble Base	,,	1,986	10 4 1	,,	20,358		1,986	10 4 0	20,358 0 0	...	20,358 0 0	...		20,358 0 0	
16 Cramps, Iron	No.	331	9 10 1	Each	3,188		313	10 3 0	3,188 0 0	...	3,188 0 0	...		3,188 0 0	
17 Concrete capping	C. yds.	16,352	11 3 10	C. yd.	1,81,798		3,303¾	... ...	34,232 9 1	32,973 15 4	67,206 8 5	1,069 5 1		68,275 13 6	
18 Cost of North Pier Caisson and setting in position and filling same as items 26, 27, 33 and 34	,,	.....	...	,,	84,750		...	... ...	84,605 12 5	121 5 4	84,727 1 9	10 10 6		84,737 12 3	
Total for North Pier	.....	...	...	...	24,80,607		...	... ...	23,26,668 14 5	33,088 2 0	23,59,757 0 5	5,175 8 5		23,64,932 8 10	
South Pier.															
19 Ordinary rubble deposited from boats	Tons.	1,75,078	2 9 0	Ton	4,49,052		1,73,659	2 9 4	4,44,126 1 4	...	4,44,126 1 4	4,925 14 8		4,49,052 0 0	
20 Large do. deposited from breakwater	,,	8,615	1 12 0	,,	15,076		8,615	1 12 0	15,075 13 0	...	15,075 13 0	...		15,075 13 0	
21 Concrete blocks for building	C. yds.	45,066	11 3 1	C. yd.	5,04,510		43,341⅔	11 10 3	5,04,510 0 0	...	5,04,510 0 0	...		5,04,510 0 0	
22 Setting blocks at commencement	,,	2,556	3 1 6	,,	7,912		2,556	3 1 6	7,911 13 3	...	7,911 13 3	...		7,911 13 3	
23 Do. from 2,550 to 3,700 feet	,,	30,160	3 7 11	,,	1,05,461		30,160	3 7 11	1,05,461 0 0	...	1,05,461 0 0	...		1,05,461 0 0	
24 Do. at Pierhead	,,	12,350	11 1 3	,,	1,36,845		12,350	11 0 10	1,36,476 9 6	—8 2 0	1,36,468 7 6	0 6 0		1,36,468 13 6	
25 Concrete in mass for filling	,,	602	7 9 1	,,	4,555		602	7 9 1	4,554 14 4	...	4,554 14 4	...		4,554 14 4	
26 Do. in Cylindrical Pierhead	,,	2,355	15 0 0	,,	35,325		...	... ...	6,496 6 8	6,408 5 2	12,904 11 10	1,598 2 1		14,502 13 11	
27 Do. in filling in between Coursed Block-work and Caisson	,,	184	15 0 0	,,	2,760		...	... ...	... ...	... ...	... ...	... ...		... ...	
28 Wavebreaker concrete blocks	,,	47,231	11 1 6	,,	5,24,070		42,589¾	12 2 9	4,93,085 3 4	20,976 12 8	5,14,062 0 0	4,231 1 11		5,18,293 1 11	
29 Depositing do. do.	,,	47,714	1 5 8	,,	64,708		41,073	1 9 0	58,767 15 6	5,492 4 3	64,260 3 9	... ...		64,260 3 9	
30 Concrete in protection to Rubble Base	,,	1,700	9 10 6	,,	16,420		1,108	13 7 7	14,932 9 1	... ...	14,932 9 1	... ...		14,932 9 1	
31 Cramps, Iron	No.	259	11 7 7	Each	2,972		220	13 8 1	2,972 0 0	... ...	2,972 0 0	... ...		2,972 0 0	
32 Concrete capping	C. yds.	16,247	11 5 8	C. yd.	1,84,495		669	... ...	15,118 12 1	69 15 11	15,188 12 0	... ...		15,188 12 0	
33 Iron Caisson	No.	1	... ...	,,	18,000		...	... ...	18,000 0 0	... ...	18,000 0 0	... ...		18,000 0 0	
34 Preparing Base for and setting Cylindrical Pierhead	,,	.....	... ...	,,	28,665		...	... ...	23,803 15 7	4,599 3 3	28,403 2 10	... ...		28,403 2 10	
Total for South Pier	.....	...	...	...	21,00,826		...	... ...	18,51,293 1 8	37,538 7 3	18,88,831 8 11	10,755 8 8		18,99,587 1 7	
Extending the Rubble Revetment protecting the foreshore North of Harbour.															
35 Rubble Stone Revetment	Tons	70,600	2 1 0	Ton	1,45,613		91,051	1 8 8	1,40,093 13 2	...	1,40,093 13 2	98 0 0		1,40,191 13 2	
36 Railway Lines	.....	...	...	...	9,849		...	... ...	11,665 7 10	...	11,665 7 10	... ...		11,665 7 10	
					1,55,462		...	... ...	1,51,759 5 0	...	1,51,759 5 0	98 0 0		1,51,857 5 0	
37 Tools and Plant	.....	...	...	...	6,11,656		...	... ..	6,11,541 9 10	...	6,11,541 9 10	...		6,11,541 9 10	
38 Contingencies	.....	...	...	...	2,17,415		...	... ..	2,18,902 4 9	3,606 13 10	2,22,509 2 7	C16 15 3		2,23,126 1 10	
39 Establishment	.....	...	...	...	5,34,369		...	... ..	5,87,348 15 3	10,505 0 11	5,97,854 0 2	...		5,97,854 0 2	
40 Materials at site (Concrete blocks in yards)	C. yds.	...	...	...	...		8,355½	14 6 5	52,635 9 1	—8,563 6 2	44,072 2 11	4,242 13 1		48,315 0 0	
41 Advances to Work-people	.....	...	...	...	...		...	... ...	34 3 2	... ...	34 3 2	... ...		34 3 2	
Total of Estimate and value of work done	...	...	...	...	61,06,227				58,06,076 0 1	76,175 1 10	58,82,251 1 11	20,888 13 5		59,03,139 15 4	
Deduct Probable recoveries due to sales of Tools and Plant	.....	...	...	...	2,77,331				—27,986 2 1	—1,789 10 6	—29,775 12 7	... ...		—29,775 12 7	
Total	.....	...	...	...	58,28,896				57,78,089 14 0	74,385 7 4	58,52,475 5 4	20,888 13 5		58,73,364 2 9	
Total of revised Estimate sanctioned in Secretary of State's Despatch, plus expenditure before 31st December 1884	.....	...	...	...	1,23,83,386				1,23,32,580 12 10	74,385 7 4	1,24,06,966 4 2	20,888 13 5		1,24,27,855 1 7	
Estimated Cost of additional works found necessary up to end of last Quarter	.....	...	...	...	...										
Estimated Cost of additional works found necessary during Quarter ending	.....	...	...	...	...										
Total Estimated Cost for Completion of Works Net	.....	...	...	...	1,23,83,386										
Add recovery in Tools and Plant	.....	...	...	...	2,77,331										
						1,26,60,717									
Deduct Total Expenditure as per column 11	.....	...	...	...	1,24,06,966										
						1,24,06,966									
Total Estimated Cost of Completing Work after Quarter ending 31st December 1894	.....	...	...	...	...	2,53,751									

Expenditure up to 31st March 1894 from commencement of works ... Rs. 1,21,92,104-7-4
Do. during current official year from 1st April 1894 to 31st December 1894 ... " 2,14,861-12-10. Grant for 1894-95 Rs. 1,50,000.
Total outlay to 31st December 1894 ... 1,24,06,966-4-2.

MADRAS,
4th February 1895.

G. MOOTHOOSAWMY NAIDU,
Accountant,
M. H. Works Office.

A. LEE POGSON,
Engineer, Harbour Trust Board.

B

MARINE DEPARTMENT.

CHIEF SECRETARY'S
11. MAR. 1895
GOVERNMENT OF MADRAS

From

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

DATED 8*th March* 1895.

DESPATCHED 11*th* ,, ,,

RECEIVED ,, ,,

ENCLOSURES—

Harbour Works Budget Estimate for 1895-96.

Supplemental Estimate for completing the Harbour.

Indent for 2,500 tons of Cement.

No. 4385.

SUBJECT.

MADRAS HARBOUR.

Submitting a Supplemental Estimate amounting to **Rs. 4,70,682** for the completion of the Madras Harbour : and an Indent upon the India Office for 2,500 tons of Portland Cement.

LAWRENCE ASYLUM PRESS.

MARINE DEPARTMENT.

FROM

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

DATED *8th March* 1895.

DESPATCHED *11th* „ „

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LAWRENCE ASYLUM PRESS.

MADRAS HARBOUR TRUST,
SECRETARY'S OFFICE,
8th March 1895.

No. 4385.

From

EDWARD TURNER, ESQ., I.C.S.,
CHAIRMAN, HARBOUR TRUST BOARD,
MADRAS.

To

THE HON'BLE MR. J. F. PRICE, C.S.I., I.C.S.,
CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

SIR,

I have the honor to submit herewith an Estimate, dated 6th February, received from the Board's Engineer for expenditure upon the Madras Harbour during the official year 1895-96, which was considered by the Trustees at the Special Meeting of the Board, held on Friday 15th idem, under Section 37 Act II of 1886.

The Engineer therein states his requirements for completing the Harbour as follows :—

		Rs.
Balance of Sanctioned Estimate ...		68,227
Advance to be recovered on sale of stores	33,333	
Excess on Works	3,69,122	
		4,02,455
	Total	4,70,682

2. As I have already informed Government, this demand for so large an additional outlay took the Board very much by surprise : no mention of any excess Expenditure having been made by the Engineer up to the submission of his Progress Report, dated 4th February, for the quarter ending 31st December 1894, in which no reference was made to the Sanctioned Estimate being insufficient to complete the Harbour. On the contrary in reply to an enquiry from the Government of India $\frac{A}{2515}$, dated Simla, 22nd May 1894, the Engineer stated on 4th June 1894 : that the Sanctioned Estimate " Rs. 61,06,227 is all that is required."

3. Annexed to the Budget Estimate are statements A and B. The former shows the additional outlay under various heads, which with the exception of the extra cement, Mr. Pogson contends should be recovered from Port or other Funds, and credited to Harbour Construction; the items however appear to be rightly debitable to the Harbour Works, but this is a matter for the Auditor to report upon.

4. After the Board's Special Meeting of the 15th February, the Engineer was called upon to explain why earlier intimation was not given by him that he anticipated so large an excess of expenditure. His reply No. 884, dated 13th February, is submitted for information. With regard to para. 3 of that letter, the meeting of the Board to which Mr. Pogson alludes, is apparently the Committee Meeting, held on the 30th November 1894, but none of the Trustees present at that meeting, and now in Madras, have any recollection of any such statement being made; at any rate it was not put forward as a request that an additional 5 per cent. might be provided: and if the Engineer knew then, that it would be needed, he should have made his requirements known at once; but he explains that only since the 10th January 1895, from actual work done, could he gather data to enable him to name the actual cost of completing the works.

5. While much regretting that earlier intimation was not given to Government, the Trustees have no option now, but to submit for information and favour of orders, a Revised Estimate for the completion of the Harbour in the form which accompanies all Progress Reports, and shows the various sub-heads of work under column 1: against which is shown the expenditure up to 31st December 1894, columns 8 and 9, the balance available under the Sanctioned Estimate, column 10, the present supplementary estimate for completion, column 11: and in 12, the total of the Revised Sanctioned Estimate and of this Supplemental Estimate.

6. The excess appears due chiefly to two causes: first, the delay in completing the works, and secondly, the enhanced charge for cement. The first has necessitated a very much heavier expenditure upon staff than was anticipated, and the latter is due to the additional proportion of cement used, and hereafter to be used in the capping in compliance with the instructions of Sir Alexander Rendel, communicated for guidance under G. O. No. 821 W., P. W., dated 24th March 1893.

7. The Trustees have enquired from their Engineer, whether he was not mistaken in supposing that Sir Alexander Rendel meant that the capping should be of better quality than the blocks upon which it had to be placed, and he has replied very decidedly that "as regards the increased strength of concrete to be used "Sir Alexander Rendel referred to "*any concrete work yet to be done*" and was "aware that the capping was the future concrete work to be done: and as the G. O. "No. 821 W., was communicated to me for guidance, I have carried out instructions "and *as soon as possible* with facts before me framed my Estimate accordingly."

8. Mr. Pogson is himself strongly of opinion that "in view of the recently "found out action of sea water upon concrete cement, there would appear danger "of this action taking place *above* water level * * * more than *below* water level "in an open Harbour of this description, where the water pressure is equal on both "sides of the superstructure and the tidal range so small."

9. As the Board's Engineer freely corresponds with Sir Alexander Rendel, they are no doubt in accord in this opinion: and I have therefore to request that the accompanying indent for extra cement required, may be forwarded to the India Office for favour of compliance, and as it is important in the interest of economy, that no further delay should occur in the completion of the Harbour, the Board would ask that a telegram be despatched, requesting that it may be

shipped at an early date. Sir Alexander Rendel has no doubt been kept fully advised by the Board's Engineer, and will be aware of the necessity for the supply, which Mr. Pogson states is required in June.

10. The Board would further request that the supplemental estimate, for the completion of the Harbour, now furnished by their Engineer, may be submitted to the Right Honourable the Secretary of State for sanction: and would be glad if the audit of the Harbour Works Accounts could be proceeded with at once, the Caisson at the South Pier Head will be, it is hoped, set in a few days, and the work thereafter will be much simpler, when being freed from the necessity for personal supervision of the works, the Engineer should turn his attention to the accounts, and assist the Auditor to complete same as soon as possible.

I have the honour to be,
Sir,
Your obedient servant,

Chairman, Harbour Trust Board

Extract of Proceedings of the Trustees of the Harbour of Madras, at a Meeting held at the Offices of the Board on Friday the 8th day of March 1895.

* * *

2. Read Correspondence with the Board's Engineer regarding his Budget Estimate, dated 6th Feburary, for expenditure upon the Harbour, during 1895-96 amounting to Rs. 4,70,682, being Rs. 4,02,455 in excess of the sanctioned estimate. The completion estimate submitted by the Engineer, as directed by the Chairman, having been printed and a copy sent to each Trustee, was discussed, together with draft of letter to the Chief Secretary to Government submitting same for the approval of the Right Hon'ble the Secretary of State.

Resolved that the Chairman's draft letter to the Chief Secretary to Government Submitting supplemental Estimate is approved, and that the Engineer's indent for cement be passed and forwarded to Government for favor of compliance by the India Office.

* * *

True Extract.

C. PINSENT,
Secretary, Harbour Trust Board.

MADRAS, *8th February* 1895

No. 871

From

THE ENGINEER,

HARBOUR TRUST BOARD,

Madras.

To

THE CHAIRMAN,

HARBOUR TRUST BOARD,

Madras.

SIR,

I have the honor to forward the Budget Estimate for completing the Madras Harbour Works, in the official year 1895-96, being Rupees 4,70,682, which sum includes excesses upon the estimate, due to delay in completing the Works, &c., of Rupees 1,41,360 upon the sanctioned Estimate of Rupees 58,28,896; and the balance is due to additional charges and work done not provided for, in the sanctioned Estimate, and additional work + the balance remaining upon the sanctioned Estimate, and a temporary advance of Rupees 33,333 upon the value to be recovered upon the sale of the stores on completion of works.

2. The Schedule of Office Staff for the official year is forwarded for sanction under the Harbour Trust Board Act.

3. A separate Schedule of the Work Establishment is furnished as usual, the cost of which is included in the value of work to be done, per yard, ton, &c., of work to be turned out to the completion of the works.

4. An estimate of the schedule of staff, per mensem; and arrangements for working the Traffic and Porterage Departments, Machinery, Traffic arrangements, and maintenance of Railway lines; under the Engineer, Harbour Trust Board: is submitted for sanction, being the same arrangements as sanctioned for 1894-95, which have worked so well in the past year.

5. An Indent for the balance of Portland Cement is also forwarded including a new wire rope for the Titan crane, included in the Budget Estimate, for early sanction, and transmission through Government, to the India Office, as the cement will be required in June 1895.

I have the honor to be,

Sir,

Your most obedient Servant,

A. LEE POGSON, M.I.C.E., M.I.M.E., &C.,

Engineer, Harbour Trust Board.

MADRAS HARBOUR WORKS.

Budget Estimate for completing Harbour Works on Sanctioned Design in 1895-96.

Balance of Sanctioned Estimate upon 31st March 1895 Rs. 82,227, vide G. O., Nos. 480, and 535, dated 8th June and 12th July 1894.

Amount ove r drawn 1894-95 ... ... Rs. 14,000
Available balance on Sanctioned Estimates for 1895-96 .. „ 68,227

	Rs.	A.	P.	Rs.	A	P.
Cost of Cement received on Works to be paid for in official year 1895-96	58,189	0	0			
Cost of Stone for Caisson and capping	47,364	0	0			
„ Cement required for increased proportions of concrete for capping, for completion of Works	1,25,566	0	0			
„ Fuel, stores and daily paid labour for above to complete Works	1,21,562	0	0			
				3,52,681	0	0
Office Establishment for 1895-96 as per Schedule of Staff 1895-96.	39,349	0	0			
Works do do do ..	26,795	0	0			
				66,144	0	0
Total of Schedule of Staff 1895-96 to complete Works...	...	...	..			
Add Compensation for land North of Harbour to be paid in 1895-96	8,857	0	0			
Add Refund of recovery made on Tools and Plant ...	30,000	0	0			
„ Arrears due to estate of late Kazim Ali Nakvy Saib ...	13,000	0	0	51,857	0	0
Actual cash or value of payments and work to be done 1895-96 + materials on hand *to complete Works*	...	...	...	4,70,682	0	0
Deduct Balance of Sanctioned Estimate available for 1895-96 =Rs. 82,227—14,000 drawn 1894-95 = balance ...	...	.	...	68,227	0	0
Additional sum above estimate requiring sanction of Harbour Trust Board	...	...	..	4,02,455	0	0
Deduct advance to be made by Harbour Trust Board, of sum to be realised on sale of stores in stock, other than Tools and Plant on completion of Works, to be refunded to Harbour Trust Board, taken as ⅔ original cost	...	...	...	33,333	0	0
Total sum of *extras and excesses upon sanctioned estimate* as per detailed statements A and B requiring sanction of Government *for completion of Works.*	...	..	...	3,69,122	0	0

Abstract of Extra Charges and Excesses upon Sanctioned Estimate requiring further sanction of Government.

	Rs.	A.	P.
Actual sum paid from Construction Funds since October 1890 and extras not included in *Sanctioned Estimate* as per *Statement A attached* ...	2,27,762	0	0
Total sum or excesses upon Sanctioned Estimate from March 1895, due to Works taking longer to complete, due to rough sea, and removal of old Works, &c., inclusive of additional charges of Provident Fund and Exchange Compensation Allowances in 1895-96 *Statement B*.....	1,41,330	0	0
Total of extra charges to Works and Excesses upon Estimate, requiring further sanction of Government	3,69,122	0	0
Budget Estimate for 1895-96 *for completing Works.*			
Additional sum charged to Works including excesses upon Estimate, required in 1895-96	3,69,122	0	0
Balance of Sanctioned Estimate available for 1895-96 due from Government = Rs. 82,227—14,000 excesses drawn on Budget Estimate 1894-95 = Balance	68,227	0	0
Advance required on value of Stores in stock, to be recovered on sale of same on completion of Works	33,333	0	0
Total of Budget Estimate for 1895-96, which will complete the Harbour Works upon the Sanctioned Design in the above Official Year ...	4,70,682	0	0
Total cost of Madras Harbour Works, to completion.			
Total of Sanctioned Estimate (framed in October 1890) sanctioned in Secretary of State's Despatch No. 1, dated 7th January 1892 ...	1,23,83,386	0	0
Total Estimated cost of completing Works upon Sanctioned Design in 1895-96 including Excesses and additional charges, added to cost of Works not anticipated as per Statements A and B requiring further sanction	3,69,122	0	0
Total cost of Madras Harbour Works on completion of sanctioned Design in 1895-96 inclusive of all Extras, and Excesses, &c. ...	1,27,52,508	0	0

Statement A showing additional outlay since sanction of Estimate, charged to Construction Estimate.

Refund of—Extras not included in Sanctioned Estimate, but already carried out and met from Construction Funds, since October 1890, for cement and for work, other than Construction proper, to completion of Works.

	Rs.	A.	P.
Realignment of Beach Railway lines for Tramway Company ...	14,679	0	0
Extensions to the Fort Drain for the Madras Municipality	13,948	0	0
Compensation for land north of the Harbour, already paid	4,138	0	0
Repairs to Revetment from October 1890 to February 1891 ...	10,301	0	0
Insurance and other charges, additional since October 1890 ...	1,291	0	0
Import Duty on cement received	5,367	0	0
Sum paid to Presidency Port Officer for work done by Agent, Government Consignment, 1890-92	3,000	0	0
Trust Contribution towards Provident Fund to March 1895 ...	38,681	0	0
Exchange Compensation Allowance	10,791	0	0
Cement required for completion of Works, 1895-96, including Import Duty, &c.	1,25,566	0	0
Total of extras upon Sanctioned Estimate, additional to sum included for Provident Fund and Exchange Compensation Allowance, to completion of Works, 1895-96	2,27,762	0	0

Statement B Extras upon Sanctioned Estimate due to Work taking longer to complete, due to rough Sea, &c.

Excess on Establishment as per Statement of Expenditure to 31st March 1895 (Item 38)		66,000	0	0
„ on Contingencies (Item 39)		5,711	0	0
Add Office Establishment, and Work Establishment, from March 1895 to completion of Works, as per Schedule of Staff, 1895-96 ...		66,144	0	0
„ Fuel, longer maintenance of Work Establishment, Drivers, Gagers, Watchmen, Pointsmen and Trollymen at Works, &c.		66,838	0	0
		2,04,693	0	0
Deduct sum to be realised on sale of Stores on completion of Works	Rs. 33,333			
„ sum recovered on Tools and Plant ...	„ 30,000	63,333	0	0
Actual Excesses upon Estimate due to Works taking longer to complete.		1,41,360	0	0

HARBOUR WORKS OFFICE,
MADRAS, *6th Feb.* 1895.

A. LEE POGSON, M.I.C.E., M.I.M.E., &C.,
Engineer, Harbour Trust Board.

No. 884.

From

THE ENGINEER,
HARBOUR TRUST BOARD,
Madras.

To

THE CHAIRMAN,
HARBOUR TRUST BOARD,
Madras.

MADRAS, 13*th February* 1895.

SIR,

I have the honor to acknowledge the receipt of your letter No. 5188(a), dated the 9th Instant, regarding the Budget Estimate for 1895-96 for completing the Madras Harbour Works.

2. The actual cash required for the completion of these works is Rs. 4,70,682 as stated, but Rs. 82,227 is not the available balance of the sanctioned advances but Rupees 1,02,196+68,227=Rs. 1,70,423 being the balance due from Government for 1895-96 + the sums paid out of the advances made for Construction, but spent upon other works not included in the Estimate; or, Rupees 1,02,196 being money paid from Construction advances, now to be refunded, which should, from time to time, have been met from Port or other Funds, but by paying the above charges from, and drawing on Construction advances, the Trust have had this sum for Investment; and I have repeatedly remarked to the Chairman (Mr. Austin) and the Secretary that the Construction Estimate, could not meet such charges, and that a refund must be made for completion of Works.

3. Some months back, when I was permitted to be present at the Board's meeting, I was asked if the Works would not be finished within 5 % of the sanctioned Estimate, and I informed the Trustees that 5 % on the sanctioned Estimate would easily cover the excesses, and although there has since been further delay in completing the works, the extra sum required Rs. 2,66,926 + balance above, refund, and a small advance on stores, etc., is only $4\frac{1}{2}$ % on the sanctioned Estimate; Vide Secretary of State's Despatch No. 1, dated 7th January 1892, and this sum even includes extras of Provident Fund, Exchange Compensation Allowance, Compensation for land, duty on cement, etc., to the Completion of the works.

4. As regards early intimation being given of the excess; it was presumed, provision had been made for the above refund, + available balance from Government, being available from March 1895 without further sanction; and therefore the additional expenditure would not be required, before June, or 5 months hence.

5. The balance or actual sum, or excess required from June 1895 could not be worked out earlier, as it was not certain when the South Pier caisson would be set,

and only since the 10th January 1895, from actual work done, could I gather data, to enable me to name the actual cost of completing the Works, and the excess now named, is very small for any Marine work.

6. It is well to mention, that even with the first Works without any difficulties, the excess was 15 % over the Estimate, without the extras; while with these works "Reconstruction of damaged Works" there has never been any data upon which a similar estimate could be framed, and it is surprising to find that the works can be completed for a sum, so near the estimated cost.

I have the honour to be,
Sir,
Your most obedient servant,
A. LEE POGSON, M.I.C.E., M.I.M.E., &c.,
Engineer, Harbour Trust Board.

Extract of Proceedings of the Trustees of the Harbour of Madras, at a special Meeting held at the Offices of the Board on Friday, the 15th day of February 1895, under the provisions of section 37, Act II of 1886 to consider the estimates of receipts and charges for 1895-96.

* * * * *

Read letter from the Board's Engineer, No. 871, dated 8th February, forwarding an estimate dated 6th idem for completing the Harbour in 1895-96 amounting to Rs. 4,70,682.

Read minutes by Messrs. G. L. Chambers, R. J. Black and S. R. Turnbull.

Read letter from the Chairman, No. 5188*a*, dated 9th February, addressed to the Engineer enquiring why earlier intimation was not given that he anticipated so large an excess of expenditure the available balance under the sanctioned estimate being only Rs. 82,227.

Read letter in reply No. 884, dated 13th February, stating that only since the 10th January, from actual work done could he gather the actual cost of completing the works. Mr. Pogson who was present explained that the excess was largely due to the larger proportion of cement now being used under the orders of *Sir* Alexander Rendel, viz., 1 in 6 instead of 1 in 10 as formerly and that when he wrote his letter No. 195, dated 4th June 1894 and stated—in reply to para. 4 of No. $\frac{a}{2515}$ from the Government of India, dated Simla, 22nd May—that the sanctioned estimate "Rupees 61,06,227 is all that is required" he was not in a position to foresee the extra outlay which he now finds to be necessary.

Resolved that this estimate be submitted to Government for information and for favour of orders.

* * *

True Extract.

C. PINSENT,
Secretary Harbour Trust Board.

COMPLETION ESTIMATE
OF
MADRAS HARBOUR WORKS.

Sub-head of Work.	As per Estimate Sanctioned in Secretary of State Despatch No 1, dated 7th January 1892. Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Total Expenditure up to 31st Dec. 1894.	Balance of Sanctioned Estimate.	Supplemental Estimate for Completion.	Total of revised Estimate column 9, 10 and 11.	Remarks. Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13
Expenditure up to 31st December 1884.		Rs. A. P.		Rs.	Rs.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A P.	Rs. A P.
1 Works	.....	...	...	...	...	...	...	...	...	..		55,09,324 0 0
2 Establishment	.....	...	...	...	...	...	...	...	...	...		5,29,904 0 0
3 Tools and Plant	.....	...	...	...	...	...	...	...	...	...		5,15,262 0 0
Total	.....	...	...	...	...	...	...	...	...	...		65,54,490 0 0
Revised Estimate.												
4 Alteration and extension of block ground	Prely...	...	...	...	5,892	5,892	...	...	...	..	5,892 0 0	...
North Pier.												
5 Ordinary rubble deposited from breakwater.	Tons 13,930	1 12 0	Ton	24,378		13,930	1 12 0	24,377 9 0	0 7 0	...	24,378 0 0	...
6 Do from boats	,, 2,06,896	2 0 5	,,	4,19,218		2,05,477	2 0 8	4,15,132 8 10	4,085 7 2	...	4,19,218 0 0	...
7 Concrete blocks for building	C. yds. 51,320	11 8 0	C. yd.	5,90,110		51,320	11 8 0	5,90,110 0 0	...	...	5,90,110 0 0	...
8 Setting blocks at commencement of new work	,, 2,615	2 1 1	,,	5,415		2,615	2 1 1	5,414 11 2	0 4 10	...	5,415 0 0	...
9 Do. from 2,200 to 3,600 feet	,, 36,520	2 14 3	,,	1,05,569		36,520	2 14 3	1,05,569 4 0	8 12 0	...	1,05,569 0 0	...
10 Do. at Pierhead	,, 12,185	9 8 11	,,	1,16,424		12,185	9 8 10	1,16,415 0 0	...	...	1,16,424 0 0	...
11 Concrete in mass for filling	,, 263	4 8 3	,,	1,188		263	4 8 3	1,188 0 7	—0 0 7	...	1,188 0 0	...
12 Wavebreaker blocks	,, 288	9 5 7	,,	2,692		288	9 5 7	2,692 0 0	...	...	2,692 0 0	...
13 Do. concrete blocks	,, 77,355	10 14 14	,,	8,45,591		69,863	12 1 8	8,45,459 12 4	131 3 8	...	8,45,591 0 0	...
14 Depositing do.	,, 77,932	1 0 0	,,	77,928		70,457	1 1 8	77,918 8 4	9 7 8	...	77,928 0 0	
15 Concrete in protection to Rubble Base	,, 1,986	10 4 1	,,	20,358		1,986	10 4 0	20,358 0 0	...	3,800 0 0	24,158 0 0	...
16 Cramps, Iron	No. 331	9 10 1	Each	3,188		313	10 3 0	3,188 8 5	1,16,591 7 7	...	3,188 0 0	...
17 Concrete capping	C. yds. 16,352	11 3 10	C. yd.	1,83,798		3,303¾	...	67,206 8 5	1,16,591 7 7	82,191 0 0	2,65,989 0 0	
18 Cost of North Pier Caisson and setting in position and filling same as items 26, 27, 33 and 34	,, ...	...	,,	84,750		...	...	84,727 1 9	22 14 3	19,105 0 0	1,03,855 0 0	
Total for North Pier	.....	...	...	...	24,80,607	...	...	23,59,757 0 5	1,20,849 15 7	1,05,096 0 0	25,85,703 0 0	
South Pier.												
19 Ordinary rubble deposited from boats	Tons. 1,75,078	2 9 0	Ton	4,49,052		1,73,659	2 9 4	4,44,126 1 4	4,925 14 8	...	4,49,052 0 0	
20 Large do. deposited from breakwater	,, 8,615	1 12 0	,,	15,076		8,615	1 12 0	15,075 13 0	0 3 0	...	15,076 0 0	...
21 Concrete blocks for building	C. yds. 45,066	11 3 1	C. yd.	5,04,510		43,341⅔	11 10 3	5,04,510 0 0	...	...	5,04,510 0 0	...
22 Setting blocks at commencement	,, 2,556	3 1 6	,,	7,912		2,556	3 1 6	7,911 13 3	0 2 9	...	7,912 0 0	...
23 Do. from 2,550 to 3,700 feet	,, 30,160	3 7 11	,,	1,05,461		30,160	3 7 11	1,05,461 0 0	...	...	1,05,461 0 0	...
24 Do. at Pierhead	,, 12,350	11 0 10	,,	1,36,845		12,350	11 0 10	1,36,468 7 6	376 8 6	...	1,36,845 0 0	
25 Concrete in mass for filling	,, 602	7 9 1	,,	4,555		602	7 9 1	4,554 14 4	0 1 8	...	4,555 0 0	...
26 Do. in Cylindrical Pierhead	,, 2,355	15 0 0	,,	35,325		...	...	12,944 11 10	22,420 4 2	...	35,325 0 6	
27 Do. in filling in between Coursed Block-work and Caisson	,, 184	15 0 0	,,	2,760		...	...	...	2,760 0 0	9,105 0 0	11,865 0 0	...
28 Wavebreaker concrete blocks	,, 47,231	11 1 6	,,	5,24,070		42,589⅞	12 2 9	5,14,062 0 0	10,008 0 0	...	5,24,070 0 0	
29 Depositing do. do.	,, 47,714	1 5 8	,,	64,708		41,073	1 9 0	64,260 3 9	447 12 3	...	64,708 0 0	...
30 Concrete in protection to Rubble Base	,, 1,700	9 10 6	,,	16,420		1,108	13 7 7	14,932 9 1	1,487 6 11	6,200 0 0	22,620 0 0	...
31 Cramps, Iron	No. 259	11 7 7	Each	2,972		220	13 8 1	2,972 0 0	...	...	2,972 0 0	...
32 Concrete capping	C. yds. 16,247	11 5 8	C. yd.	1,84,495		669	...	15,188 12 0	1,69,306 4 0	72,192 0 0	2,56,687 0 0	...
33 Iron Caisson	No. 1	...	,,	18,000		...	...	18,000 0 0	...	...	18,000 0 0	...
34 Preparing Base for and setting Cylindrical Pierhead	,, ...	...	,,	28,665		...	...	28,403 2 10	261 13 2	10,231 0 0	38,896 0 9	...
Total for South Pier	.....	...	...	...	21,00,826	...	...	18,88,831 8 11	2,11,994 7 1	97,728 0 0	21,98,554 0 0	
Extending the Rubble Revetment protecting the foreshore North of Harbour.												
35 Rubble Stone Revetment	Tons 70,600	2 1 0	Ton	1,45,613		91,051	1 8 8	1,40,093 13 2	5,519 2 10	...	1,45,613 0 0	
36 Railway Lines	.....	...	...	9,849		...	...	11,665 7 10	—1,816 7 10	...	9,849 0 0	...
					1,55,462	...	...	1,51,759 5 0	3,702 11 0	...	1,55,462 0 0	
					6,11,656	...	...	6,11,541 9 10	114 6 2	...	6,11,656 0 0	...
37 Tools and Plant	.....	...	...	...	2,17,415	...	...	2,22,509 2 7	—5,094 2 7	30,555 0 0	2,47,970 0 0	
38 Contingencies	.....	...	...	...	5,34,369	...	...	5,97,854 0 2	—63,485 0 2	1,39,076 0 0	6,73,445 0 0	...
39 Establishment	.....	...	...	...	...	...	...	...	...	...	...	
40 Materials at site (Concrete blocks in yards)	C. yds.	...	...	...	...	3,355½	14 6 5	44,072 2 11	—44,072 2 11	...	... 0 0	
41 Advances to Work-people	.....	...	...	...	...	...	...	34 3 2	—34 3 3	...	... 0 0	...
Total of Estimate and value of work done	...	...	...	...	61,06,227	...	...	58,82,251 1 11	2,23,975 14 1	3,72,455 0 0	64,78,682 0 0	64,78,632 0 0
												1,30,33,172 0 0
Deduct Probable recoveries due to sales of Tools and Plant	.....	...	...	...	2,77,331	...	...	20,775 12 7	—2,47,553 3 5	30,000 0 0	—2,47,331 0 0	—2,47,331 0 0
Total	.....	...	...	...	58,28,896	...	...	58,52,475 5 4	—23,579 5 4	4,02,455 0 0	62,31,351 0 0	1,27,85,841 0 0
Deduct sale of stores and refunds of H. T. B. on completion of works	...	...	...	...	...	...	...	...	...	—33,333	—33,333 0 0	—33,333 0 0
Total of revised Estimate sanctioned in Secretary of State's Despatch.	.....	...	...	...	58,28,896	...	...	58,52,475 5 4	—23,579 5 4	3,69,122 0 0	61,98,018 0 0	1,27,52,508 0 0
Estimated Cost of additional works extra and excesses found necessary up to completionof works, 1895-96.	.....	...	...	...	...	...	...	...	...	3,69,122 0 0		
Total Estimated Cost for Completion of reconstruction of Works	.....	...	...	...	...	...	...	...	...	...	61,98,018 0 0	

Madras,
1st March 1895.

G. MOOTHOOSAWMY NAIDU,
Accountant,
M. H. Works Office.

A. LEE POGSON,
Engineer, Harbour Trust Board.

SCHEDULE

OF THE

STAFF OF OFFICERS AND SERVANTS

EMPLOYED UNDER

THE MADRAS HARBOUR TRUST

FOR THE YEAR

1895-96.

[*Under Section* 21 *of Act II of* 1886.]

Madras:
PRINTED AT THE LAWRENCE ASYLUM PRESS, MOUNT ROAD.

1895.

Schedule of the Staff of Officers and Servants employed under the Madras Harbour Trust for the year 1895-96. *Prepared under Section* 21 *of Act II of* 1886.

No.	Names.	Designation.	Salary per mensem.	Average Rate of Fees and Allowances for 12 Months.		Contribution towards Pension.	Contribution towards Provident Fund.	Total per mensem.	Date of		Remarks.
				Sundays and Holidays.	Overtime.				Entertainment.	Promotion to present rank or pay.	
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
1	C. Pinsent ...	Secretary ...	800 0 0	...	...	...	40 0 0	840 0 0	1st Aug. 1886.	1st Aug. 1892.	Draws also Exchange Compensation allowance.
	Correspondence Department.										
2	J. L. Pinto ...	Manager ...	65 0 0	...	...	...	3 4 0	68 4 0	14th Jan. 1890.	1st March 1893.	
3	G. A. Dowley ...	Record-keeper ...	45 0 0	...	...	...	2 4 0	47 4 0	1st Aug. 1887.	1st April 1892.	
4	T. S. Coopoosawmy Moodelly ...	Clerk ...	30 0 0	...	...	...	1 8 0	31 8 0	1st Nov. 1888.	23rd Nov. 1893.	
5	K. Parthasarthy Naidu ...	do ...	15 0 0	...	...	...	0 12 0	15 12 0	25th Sept. 1893.	5th June 1894.	
6	——	do ...	15 0 0	...	...	...	0 12 0	15 12 0	...	...	Vacant.
7	R. Vanugopala Naidu ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	27th Nov. 1893.		
8	N. Fitzsimans ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	1st Nov. 1894.		
9	C. Subraylu Naidu ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	1st Nov. 1894.		
10	P. Etherajooloo Naidu ...	Moochee ...	10 0 0	...	...	0 8 6	...	10 8 6	1st June 1883.	1st April 1892.	
11	P. Ragavaloo ...	Head Peon ...	10 0 0	...	...	...	0 8 0	10 8 0	1st April 1884.	1st April 1893.	
12	C. Mooroogasan ...	Peon ...	8 0 0	...	...	...	0 6 5	8 6 5	do.		
13	C. Easwara Row ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	do.		
14	P. Mariadoss ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	20th Oct. 1886.		
15	T. Gopaul Singh ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	1st June 1888.	1st Sept. 1892.	
16	M. Thanieachellam ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	17th Aug. 1894.		
17	C. Casavooloo ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	13th Feb. 1892.	1st do.	
		Carried over ...	267 0 0	...	...	0 8 6	12 13 8	280 6 2			

Schedule of the Staff of Officers and Servants employed under the Madras Harbour Trustfor the year 1895-96. *Prepared under Section* 21 *of Act II of* 1886– continued.

No.	Names.	Designation.	Salary per mensem.	Average Rate of Fees and Allowances for 12 Months.		Contribution towards Pension.	Contribution towards Provident Fund.	Total per mensem.	Date of		Remarks.
				Sundays and Holidays.	Overtime.				Entertainment.	Promotion to present rank or pay.	
	Correspondence Department—contd.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
		Brought forward...	267 0 0	...	...	0 8 6	12 13 8	280 6 2			
18	A. Anthick ...	Messenger ...	5 0 0	...	...	...	0 4 0	5 4 0	28th July 1893.		
19	P. Venugopala Naidu ...	do ...	5 0 0	...	...	...	0 4 0	5 4 0	25th Oct. 1894.		
20	J. Narayanasawmy ...	do ...	5 0 0	...	...	...	0 4 0	5 4 0	28th Nov. 1894.		
21	R Akambaram ...	do ...	5 0 0	...	...	...	0 4 0	5 4 0	11th Jan. 1895.		
22	A. Balagooroosawmy ..	do ...	5 0 0	...	...	...	0 4 0	5 4 0	1st Feb. 1895.		
23	M. Krishnasawmy. ...	do ...	5 0 0	...	...	...	0 4 0	5 4 0	7th Feb. 1895.		
24	C. Abdulla Khan ...	Night Watchman ...	5 0 0	...	...	...	0 4 0	5 4 0	15th June 1890.		
25	R. Veerasawmy ...	do ...	5 0 0	...	...	...	0 4 0	5 4 0	6th Mar. 1894.		
26	C. Veerasawmy ...	Punkah Puller ...	5 0 0	...	...	...	0 4 0	5 4 0	19th Jan. 1893.		
27	M. Sawmyar Ummall ...	Sweeper ...	5 0 0	...	...	...	0 4 0	5 4 0	1st Sept. 1886.		
		Total ...	317 0 0	...	...	0 8 6	15 5 8	332 14 2			
	Account Department.										
28	H. E. Hope-Ross ...	Chief Accountant ...	300 0 0	...	...	...	15 0 0	315 0 0	28th May 1888.	1st April 1894.	
29	C. Etherajulu Naidu ...	Asst. do ...	105 0 0	...	...	...	5 4 0	110 4 0	1st Oct. 1886.	do.	
30	P. Singaravaloo Moodelly ...	Asst. Book-keeper ..	40 0 0	...	...	...	2 0 0	42 0 0	20th May 1884	1st April 1892.	
31	V. S. Vythelingam Pillay ...	Clerk ...	30 0 0	...	...	...	1 8 0	31 8 0	12th Sept. 1885.	2nd Oct. 1893.	
32	C. W. Cabral ..	do ...	25 0 0	...	...	...	1 4 0	26 4 0	11th June 1891.	2nd Oct. 1893.	
33	P. S. Thumboosawmy Pillay ...	do ...	15 0 0	...	...	...	0 12 0	15 12 0	7th Sept. 1891.	2nd Oct. 1893.	
34	T. Sadasiva Pillay ...	do ...	15 0 0	...	...	...	0 12 0	15 12 0	11th Oct. 1893.		
35	A. Loak Singh ...	Peon ...	8 0 0	...	...	0 8 6	...	8 8 6	11th Oct. 1871.		
36	P. Appavoo Pillay ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	1st Sept. 1892.		
37	A. Mathan Singh ..	Punkah Puller ...	5 0 0	...	...	...	0 4 0	5 4 0	28th July 1891.	1st April 1893.	
		Total ...	550 0 0	...	...	0 8 6	27 1 7	577 10 1			
	Cash Department.										
38	C. Vencatachellum Chetty ...	Cashier ...	80 0 0	14 7 7	...	5 0 0	1 8 0	100 15 7	17th Nov. 1881.	1st April 1895.	
39	S. Appathoray Moodelly ...	Asst. Cashier ...	35 0 0 8 0 0	2 14 3	...	...	1 12 0	47 10 3	27th Sept. 1886.	1st January 1892.	Jutka hire.
40	W. Stuart ...	Checker ...	35 0 0	...	...	...	1 12 0	36 12 0	5th June 1894.	18th June 1894.	Drawing Rs. 80 only.
41	T. Appathoray Moodelly ...	Asst. Checker ...	20 0 0	4 1 6	...	...	1 0 0	25 1 6	20th April 1892.	1st April 1893.	
42	A. C. Streenevasa Moodelly ...	Clerk ...	20 0 0	...	...	...	1 0 0	21 0 0	20th Sept. 1885.		
43	P. Appathoray Moodelly ...	Calculator ..	20 0 0	1 14 6	...	...	1 0 0	22 14 6	1st Sept. 1886.	1st April 1893.	
44	P. Cundasawmy Chetty ...	Deposit Clerk ...	17 8 0	0 13 9	...	...	1 0 0	21 13 9	2nd Sept. 1886.	29th June 1892.	
45	T. P. Soobrayaloo Naidu ...	Calculator ...	17 8 0	1 14 6	...	...	0 14 0	20 4 6	1st April 1884.		
46	T. Moonoosawmy Moodelly ...	do ...	17 8 0	1 14 2	...	...	0 14 0	20 4 2	5th July 1892.		
47	C. Kistnasawmy Naidu ...	Clerk ...	15 0 0	1 0 3	...	...	0 12 0	16 12 3	7th Dec. 1885.		
48	G. Narayanasawmy Chetty ...	Register Clerk ...	15 0 0	2 0 6	...	...	0 12 0	17 12 6	2nd Sept. 1886.	17th Oct 1891.	
49	S. Govindarajooloo Naidu ...	Clerk ...	15 0 0	1 4 3	...	...	0 12 0	17 0 3	1st Sept. 1886.	1st April 1893.	
50	A. Smith ...	Deposit Bill Calculator	15 0 0	0 9 2	...	..	0 12 0	16 5 2	14th July 1890.	18th May 1894.	
51	B. Goolam Mahomed Saib ...	Register Clerk ...	12 8 0	1 10 3	...	...	0 10 0	14 12 3	24th Oct. 1886.	17th Oct. 1891.	
52	T. Veerasawmy Moodelly ...	Deposit Bill Clerk ...	12 0 0	0 8 7	...	...	0 9 7	13 2 2	1st April 1890.	18th May 1894.	
53	C. Daseca Charry ..	do ...	10 0 0	...	...	...	0 8 0	10 8 0	3rd Feb. 1892.		
54	V. Shunmoogavaloo Chetty ...	Clerk ..	10 0 0	0 5 3	...	...	0 8 0	10 13 3	18th May 1894.		
55	T. Kanneappa Moodelly ...	do ...	10 0 0	0 3 1	...	...	0 8 0	10 11 1	do.		
56	T. Govindarajooloo Pillay ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	20th Dec. 1894.		
57	G. Parthasarathy Naidu ...	Peon ..	8 0 0	0 12 11	...	0 8 6	...	9 5 5	21st Dec. 1865.		
58	T. Shaik Ahmed ...	do ...	7 0 0	0 6 4	...	...	0 5 7	7 11 11	23rd Sept. 1892.		
59	C. Subbiah ...	do ...	7 0 0	0 6 4	...	...	0 5 7	7 11 11	11th May 1893.	9th January 1895.	
		Total...	419 8 0	37 3 2	...	5 8 6	17 10 9	479 14 5			
	Traffic Department. Shore Staff.										
60	S. Hutchence ...	Traffic Manager ...	375 0 0	...	...	41 10 8	12 8 0	554 2 8	9th Oct. 1878.	1st Jan. 1892.	Draws also exchange compensation allowance
		Personal allowance...	125 0 0							1st July 1894.	
		Dy. Traffic Manager.	185 0 0	...	...	...	11 12 0	246 12 0	7th April 1889.	1st Jan. 1895.	do. do.
61	G. R. P. Lloyd ...	Personal allowance...	50 0 0							1st April 1895.	
		Asst Traffic Manager.	120 0 0	12 4 3	8 13 8	...	6 0 0	147 1 11	27th Nov. 1885.	1st April 1895.	Custom House.
62	J. Cassin ...	do ...	100 0 0	24 1 9	23 10 5	9 0 0	0 8 0	157 4 2	1st June 1870.	1st March 1890.	Porterage.
63	C. Lutchmeepathy Naidu ...	do ...	90 0 0	16 14 3	7 13 3	...	4 8 0	129 3 6	1st April 1884.	1st April 1895.	Screw Pile Pier attending to Buoy Lights and clocks.
64	H. Graves ...	*	10 0 0				1 4 0	37 10 9	1st April 1884.	1st April 1893.	
		Shroff ...	25 0 0	7 0 3	4 6 6	...	1 4 0	28 8 5	18th Oct. 1886.	1st Sept. 1894.	
65	A. Vencatakistna Pillay ...	Abstract Clerk. ...	25 0 0	2 2 3	0 2 2	...	1 0 0	21 6 5	11th Mar. 1892.	do.	
66	P. Sabapathy Mudaliar ...	Clerk ...	20 0 0	0 6 5	...	...	1 0 0	25 2 5	9th Oct. 1886.	1st April 1894.	
67	J. Somajee Row ...	do ...	20 0 0	2 8 0	1 10 5	...	0 12 0	15 12 0	...	...	Vacant.
68	K. Etheerajulu Naidu ...	do ...	15 0 0	...	...	...	0 12 0	16 4 1	1st April 1884.	20th Feb. 1894.	
69	—— ...	do ...	15 0 0	0 6 6	0 1 7	...	0 9 7	12 14 9	2nd April 1892.		
70	M. Authemoola Moodelly ...	do ...	12 0 0	0 5 2	...	...	0 9 7	13 1 11	1st Oct. 1892.		
71	C. Teruvengadasamy Naidu ...	do ...	12 0 0	0 8 4	...	...	0 9 7	12 11 9	11th Jan. 1894.		
72	P. Ramakistna Mudaliar ...	do ..	12 0 0	0 2 2	...	...	0 9 7	12 9 7	...	...	Vacant.
73	A. Venugopal Pillai ...	do ...	12 0 0	...	...	...					
74	—— ...										
	Carried over...	...	1,223 0 0	66 11 4	46 10 0	50 10 8	43 10 4	1,430 10 4			

Schedule of the Staff of Officers and Servants employed under the Madras Harbour Trust for the year 1895-96. *Prepared under Section* 21 *of Act II of* 1886—continued.

No.	Names.	Designation.	Salary per mensem.	Average Rate of Fees and Allowances for 12 Months.		Contribution towards Pension.	Contribution towards Provident Fund.	Total per mensem.	Date of		Remarks.
				Sundays and Holidays.	Overtime.				Entertainment.	Promotion to present rank or pay.	
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs A. P	Rs. A. P.	Rs. A. P.			
	Traffic Department.—contd.										
75	T. Jagannoyakooloo Naidu ...	Brought forward ...	1,223 0 0	66 11 4	46 10 0	50 10 8	43 10 4	1,430 10 4			
76	M. Mukoondu Naidu ...	Clerk ...	10 0 0	0 4 4	...	...	0 8 0	10 12 4	1st Dec. 1893.		
77	D. Mathen Singh ...	Weigher & Measurer.	15 0 0	1 11 1	0 1 6	...	0 12 0	17 8 7	1st April 1884.	20th Feb. 1894.	
78	S. Ficker ...	Hd. Cooly Supervisor.	30 0 0	...	0 2 8	...	1 8 0	31 10 8	14th March 1890.		
79	R. Holding ...	Night Watchman ...	15 0 0	...	...	...	0 12 0	15 12 0	25th June 1891.		
80	P. S. Armuga Mudaliar ...	do ...	15 0 0	...	...	...	0 12 0	15 12 0	18th July 1892.		
81	V. Narrainsawmy ...	Moochee ...	7 8 0	...	...	...	0 6 0	7 14 0	9th Jan. 1894.		
82	W. Fatha Ahmed ...	Peon ...	8 0 0	1 4 1	0 6 6	...	0 6 5	10 1 0	1st April 1884.		
83	T. Bashium ...	do ...	8 0 0	0 10 10	0 3 8	...	0 6 5	9 4 11	2nd April 1884.		
84	A. Vijiaragavulu ...	do ...	8 0 0	1 7 0	0 5 6	...	0 6 5	10 2 11	13th Sept. 1886		
85	A. Vencatasawmy ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	16th July 1890.		
86	P. Kathervalu ...	Punkah Puller ...	5 0 0	...	...	...	0 5 7	7 5 7	18th Dec. 1891.		
87	Mahomed Yacob ...	Toty ...	5 0 0	...	...	...	0 4 0	5 4 0	3rd Nov. 1893.		
88	—— ...	Messenger ...	5 0 0	...	...	...	0 4 0	5 4 0	1st April 1884.		
							0 4 0	5 4 0	...	...	Vacant.
		Total ...	1,368 8 0	72 0 8	47 13 10	50 10 8	50 14 9	1,589 15 11			
	Pier Establishment.										
89	A. D'Postin ...	Boatswain ...	60 0 0	...	...	...	6 0 0	66 0 0	1st Feb. 1864.		
90	T. Coopoosawmy Mudaliar ...	Traffic Overseer ...	29 0 0	6 11 2	2 13 10	...	1 7 2	40 0 2	24th June 1884.	1st March 1890.	
91	V. Thungavaloo Mudaliar ...	Clerk ...	20 0 0	4 5 5	3 1 6	...	1 0 0	28 6 11	20th May 1884.	24th Dec. 1891.	
92	G. Streenivasaloo Naidu ...	do ...	15 0 0	0 3 10	0 1 8	...	0 12 0	16 1 6	17th Oct. 1885.	1st July 1892,	
93	T. Venkatakistnamah Naidu ...	Gate Clerk ...	12 0 0	0 14 6	0 0 7	...	0 9 7	13 8 8	2nd April 1892.		
94	N. R. Kylasa Mudaliar ...	Time-keeper ...	15 0 0	4 8 10	0 1 10	...	0 12 0	20 6 8	14th March 1890.		
95	T Moothoo Naidu ...	Cooly Supervisor ...	15 0 0	1 15 3	0 2 7	...	0 12 0	17 13 10	do.		
96	P. Sabapathy Mudaliar ...	do ...	15 0 0	4 8 11	0 2 0	...	0 12 0	20 6 11	do.		
97	V. Venkatachella Chetty ...	Tally Clerk ...	12 0 0	0 3 2	0 0 3	...	0 9 7	12 13 0	17th Oct. 1886.	16th March 1892.	
98	V. Cundasawmy Mudaliar ...	do ...	12 0 0	3 0 7	1 6 3	..	0 9 7	17 0 5	1st April 1884.	4th July 1892.	
99	N. V. Arumuga Mudaliar ...	do ...	12 0 0	3 4 7	1 4 8	...	0 9 7	17 2 10	1st March 1890.	20th Oct. 1891.	
100	R. Rajagopaul Naidu ...	do ...	12 0 0	1 8 9	0 14 0	...	0 8 0	14 14 9	1st June 1889.	...	DrawingRs.10 only
101	M. Chinakistnamah Naidu ...	do ...	12 0 0	2 9 1	0 15 9	...	0 8 0	16 0 10	11th March 1891.	...	DrawingRs.10 only
102	M. Kristnasawmy Mudaliar ..	do ...	10 0 0	1 8 6	0 8 11	...	0 8 0	12 9 5	16th Sept. 1891.		
103	V. Teruvengadasawmy Mudaliar...	do ...	10 0 0	1 12 3	0 12 9	...	0 8 0	13 1 0	17th June 1892.		
104	P. Venkatakistnama Reddy ...	do ...	10 0 0	2 10 9	0 12 5	...	0 8 0	13 15 2	3rd May 1893.		
105	M. Narrainsawmy Mudaliar ..	do ...	10 0 0	2 6 1	1 0 3	...	0 8 0	13 14 4	10th May. 1893.		
106	G. Chellapathee Naidu ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	7th Sept. 1888.	1st June 1892.	
107	P. Sadasiva Mudaliar ...	do ...	10 0 0	0 8 8	0 4 9	...	0 8 0	11 5 5	9th Aug. 1894.		
108	M. Peer Ahmed ...	do ...	10 0 0	0 13 3	0 5 9	...	0 8 0	11 11 0	29th Aug. 1894.		
109	Sahib John ...	do ...	10 0 0	0 9 6	0 9 3	...	0 8 0	11 10 9	25th Sept. 1894.		
110	P. S. Ruthnavalu Mudaliar ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	10th Nov. 1894.		
111	C. M. Davaraja Mudaliar ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	10th Nov. 1894.		
112	C. John Glass ...	Tindal ...	14 0 0	1 10 4	3 10 4	1 6 5	...	20 11 1	15th Oct. 1872.		
113	——	Lascar ...	8 0 0	...	...	...	0 6 5	8 6 5	...	...	Vacant.
114	——	do ...	8 0 0	...	...	...	0 6 5	8 6 5	...	...	Vacant.
115	R. Doorgoo ...	do ...	8 0 0	1 6 0	1 5 2	0 8 6	...	11 3 8	8th Jan. 1879.		
116	C. Daniel ...	do ...	8 0 0	1 5 2	1 14 6	...	0 6 5	11 10 1	25th Aug. 1886.		
117	R. S. Bastian ...	do ...	8 0 0	2 1 9	1 0 6	...	0 6 5	11 8 8	19th do. 1887.		
118	C. Puckee ...	Mashalgee ...	11 0 0	...	...	0 8 6	...	11 8 6	16th May 1875.	16th Aug. 1894.	
119	T. Moosah Beg ...	Duffadar ...	10 8 0	...	...	0 11 2	...	11 3 2	16th March 1872.	15th Aug. 1890.	
120	M. Mariana ...	do ...	10 8 0	...	...	...	0 8 5	11 0 5	26th May 1892.		
121	Teruvengadum ...	Peon ...	8 0 0	...	...	...	0 6 5	8 6 5	1st Nov. 1886.	23rd Nov. 1894.	
122	P. Ismail Khan ...	do ..	8 0 0	...	...	...	0 6 5	8 6 5	1st April 1884.		
123	C. Dorasawmy ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	do.		
124	M. Sheik Madar ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	20th May 1889.		
125	A. Abdool Ryman ..	do ..	8 0 0	...	..	...	0 6 5	8 6 5	15th April 1886.	18th Feb. 1895.	
126	C. Runganoyakulu ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	10th Jan. 1894.		
127	C. Dorasawmy ...	do ...	7 0 0	...	...	..	0 5 7	7 5 7	19th Aug. 1892.		
128	G. Lokiah ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	3rd May 1893.	7th Feb. 1895.	
129	B. Lutchmiah ...	Night Watchman ...	6 0 0	...	...	...	0 4 10	6 4 10	16th Aug. 1892.		
130	B. Pulliah ...	do ...	6 0 0	...	...	...	0 4 10	6 4 10	do.		
131	C. Vamboolee ...	Sweeper ...	7 0 0	...	...	...	0 5 7	7 5 7	1st April 1885.		
132	M. Narrainsawmy ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	1st Nov. 1890.	1st April 1894.	
		Total...	514 0 0	50 10 4	23 5 6	3 2 7	26 5 3	617 7 8			
	North Beach.										
133	E. Abroe ...	Yard Foreman ...	25 0 0	2 0 6	3 14 3	...	1 4 0	32 2 9	12th May 1887.	1st June 1890.	Field Sidings.
134	H. Harris ...	do ...	20 0 0	1 11 2	0 15 0	...	1 0 0	23 10 2	6th March 1894.		
135	M. Kistnasawmy Chetty ...	Weigher and Measurer	15 0 0	0 13 0	0 1 4	1 3 2	...	17 1 6	14th Jan. 1883.	20th Feb. 1894.	
	Carried over...		60 0 0	4 8 8	4 14 7	1 3 2	2 4 0	72 14 5			

Schedule of the Staff of Officers and Servants employed under the Madras Harbour Trust for the year 1895-96. *Prepared under Section* 21 *of Act II of* 1886.—continued.

No.	Names.	Designation.	Salary per mensem.	Average Rate of Fees and Allowances for 12 Months.		Contribution towards Pension.	Contribution towards Provident Fund.	Total per mensem.	Date of		Remarks.
				Sundays and Holidays.	Overtime.				Entertainment.	Promotion to present rank or pay	
	North Beach—contd.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
		Brought forward...	60 0 0	4 8 8	4 14 7	1 3 2	2 4 0	72 14 5			
136	M. Ramasawmy Naick ...	Gate clerk ...	12 0 0	0 3 2	...	...	0 9 7	12 12 9	18th Oct. 1886.	4th July 1892.	
137	P. Appathoray Mudaliar ...	Tally Clerk ...	12 0 0	3 1 4	2 1 9	...	0 9 7	17 12 8	1st April 1884.	17th June 1892.	
138	K. Soobroyulu Naidu ...	do ...	12 0 0	1 10 6	0 4 9	...	0 8 0	14 7 3	24th Oct. 1891.	...	Drawing Rs. 10 only.
139	C. Baliah ...	do ...	10 0 0	0 14 0	0 0 11	...	0 8 0	11 6 11	1st April 1884.	16th April 1894.	
140	C. Nagamoney Mudaliar ...	do ...	10 0 0	1 14 0	0 5 9	...	0 8 0	12 11 9	19th Nov. 1891.		
141	M. Vencatakistna Mudaliar ...	do ...	10 0 0	2 3 1	0 4 6	...	0 8 0	12 15 7	27th Jan. 1893.		
142	C. Kundasawmy Naidu ...	Duffadar ...	10 8 0	...	...	0 11 2	...	11 3 2	16th May 1864.	1st April 1884.	
143	V. Ragavulu Naidu ...	Peon ...	8 0 0	...	..	...	0 6 5	8 6 5	1st April 1884.		
144	K. Mahomed Mustaffa ..	do ...	8 0 0	...	...	...	0 6 5	8 6 5	20th May 1884.		
145	C. Appathoray Naick ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	18th Oct. 1885.		
146	M. Valoo Mudaliar ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	26th Aug. 1886.		
147	C. Perumall ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	20th May 1884.		
148	S. Mahomed Ghowse ..	do ...	7 0 0	...	...	...	0 5 7	7 5 7	18th Oct. 1886.		
149	C. Kistnasawmy ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	23rd May 1890.	...	
150	A. Aurokiasawmy ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	12th do. 1891.	...	
151	T. Ramasawmy ...	Sweeper ...	6 0 0	...	...	...	0 4 10	6 4 10	7th Jan. 1891.	28th July 1892.	
		Total ...	202 8 0	14 6 9	8 0 3	1 14 4	8 12 0	235 9 4			
	South Beach.										
152	H. Roberts ..	Crane Attender ...	30 0 0	3 4 4	0 2 7	...	1 8 0	34 14 11	1st April 1884.		
153	J. Dumen ...	Yard Foreman ...	20 0 0	1 8 4	0 8 10	...	1 0 0	23 1 2	20th Oct. 1891.	26th July. 1893.	
154	C. Narrainsawmy Mudaliar ...	Beach Overseer ...	19 0 0	4 12 8	1 4 5	1 3 2	...	26 4 3	6th Aug. 1874.	1st May 1893.	
155	E. Parthasarathee Naidu ...	Hd. Tally Clerk ...	15 0 0	1 8 2	0 0 8	...	0 12 0	17 4 10	18th April 1885.	18th Sept. 1891.	
156	T. Vencatachella Naick ...	Cooly Supervisor ...	15 0 0	2 1 3	0 0 9	...	0 12 0	17 14 0	14th March 1890.		
157	T. Ganapathee Singh ..	Weigher & Measurer	12 0 0	1 11 9	0 0 6	...	0 9 7	14 5 10	6th Oct. 1885.	8th Sept. 1891.	
158	P. Manicka Mudaliar ...	Gate Clerk ...	12 0 0	0 13 5	0 1 7	..	0 9 7	13 8 7	7th do. 1886.	1st do. 1889.	
159	T. Singaravalu Mudaliar ...	Tally Clerk ...	12 0 0	2 11 3	0 15 6	...	0 9 7	16 4 4	17th do.	16th Mar. 1892.	
160	A. Murugasa Mudaliar ...	do ...	12 0 0	0 12 0	0 0 6	...	0 9 7	13 6 1	1st April 1884.	4th July 1892.	
161	S. Parthasarathee Raju ...	do ...	10 0 0	2 9 0	0 2 5	...	0 8 0	13 3 5	do.	20th Oct. 1889.	
162	P. Gopaul Naidu ...	do ...	10 0 0	0 2 2	...	...	0 8 0	10 10 2	28th Sept. 1892.		
163	Meer Nazer Hoossain ...	do. ...	10 0 0	0 0 10	...	...	0 8 0	10 8 10	10th Nov. 1894.		
164	G. Coopoosawmy Naidu	Duffadar ...	13 8 0	...	...	0 11 2	0 2 5	14 5 7	20th July 1881.	4th March 1890.	
165	S. Paupiah ...	Peon ...	8 0 0	...	...	0 7 6	...	8 7 6	20th Jan. 1875.	14th April 1894.	
166	D. Kisseng Singh ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	1st April 1884.		
167	T. Sheik Hoossain Saib ...	do ...	8 0 0	...	...	0 8 6	...	8 8 6	15th May 1870.		
168	G. Ragavooloo ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	23rd Jany. 1892.		
169	P. Vencatasawmy ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	1st June 1886.	4th Jan. 1892.	
170	P. Govindusawmy ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	29th Oct. 1886.	2nd April 1889.	
171	D. Balagee Singh ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	23rd Sept. 1892.	23rd Nov. 1894.	
172	P. Govindarajulu ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	27th Jan. 1893.	2nd Feb. 1895.	
173	T. Soobroyulu ...	Sweeper ...	6 0 0	...	...	...	0 4 10	6 4 10	1st May 1894.		
		Total ...	256 8 0	21 15 2	3 5 9	2 14 4	10 8 9	295 4 0			
	Combustible Shed.										
174	T. Maseelamoney Mudaliar ...	Head Tally Clerk ...	15 0 0	2 4 7	1 0 11	...	0 12 0	19 1 6	27th Sept. 1886.	22nd Sept. 1892.	
175	T. Goolam Hoossain ...	Peon ...	8 0 0	...	...	0 8 6	...	8 8 6	15th March 1870.		
176	T. Shunmugum Pillay ...	do ...	8 0 0	...	...	...	0 6 5	8 6 5	15th Sept. 1886.		
177	B. Beegum Singh ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	1st April 1889.		
178	T. Parthasarathee Mudaliar ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	3rd Oct. 1890.		
		Total ...	45 0 0	2 4 7	1 0 11	0 8 6	1 13 7	50 11 7			
	Customs Yard.										
179	C. M. Perumall Mudaliar ...	Head Clerk ...	25 0 0	0 3 10	0 2 7	...	1 4 0	26 10 5	20th May 1884.	1st April 1894.	
180	C. Neelakunta Row ...	Clerk ...	20 0 0	0 2 7	0 3 9	...	1 0 0	21 6 4	1st April 1884.	1st do.	
181	G. Sooboonarayana Iyer	do ...	12 0 0	...	...	...	0 9 7	12 9 7	1st June 1888.	1st do.	
182	T. Gibbs ...	Time-keeper ...	18 0 0	0 9 1	0 1 3	...	0 14 6	19 8 10	17th April 1891.	17th April 1893.	
183	R. Mauriappa Naick ...	Ganger ...	15 0 0	3 5 9	0 4 0	...	0 12 0	19 5 9	15th Dec. 1890.		
184	M. Vanoogopaul Mudaliar ..	Weigher & Measurer.	15 0 0	0 1 0	0 0 6	...	0 12 0	15 13 6	18th Oct. 1886.	1st April 1894.	
185	M. Ramanjum Mudaliar ...	do ...	12 0 0	0 9 8	0 3 11	...	0 9 7	13 7 2	1st Oct. 1886.	1st do.	
186	T. Shunmugasoondra Mudaliar ...	Tally Clerk ...	12 0 0	0 11 7	0 5 7	...	0 9 7	13 10 9	9th Aug. 1889.	11th March 1893.	
187	P. Ruthnavalu Chetty ...	do ...	10 0 0	1 3 7	0 14 1	...	0 8 0	12 9 8	14th March 1894.		
188	C. Narasimulu Naidu	Gate Clerk ...	10 0 0	...	0 0 5	...	0 8 0	10 8 5	18th do. 1890.	12th Feb. 1892.	
189	S. Gopaul Laul ...	N. do ...	10 0 0	...	0 0 10	...	0 8 0	10 8 10	do.	12th do	
		Carried over... ...	159 0 0	6 15 1	2 4 11	...	7 15 3	176 3 3			

Schedule of the Staff of Officers and Servants employed under the Madras Harbour Trust for the year 1895-96. *Prepared under Section* 21 *of Act II of* 1886—continued.

No.	Names.	Designation.	Salary per mensem.	Average Rate of Fees and Allowances for 12 Months.		Contribution towards Pension.	Contribution towards Provident Fund.	Total per mensem.	Date of		Remarks.
				Sundays and Holidays.	Overtime.				Entertainment.	Promotion to present rank or pay.	
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
	Customs Yard—contd.										
		Brought forward ..	159 0 0	6 15 1	2 4 11	...	7 15 3	176 3 3			
190	C. Narayanasawmy Naidu ...	S. Gate Clerk ...	10 0 0	...	0 3 5	...	0 8 0	10 11 5	18th March 1890.	12th Feb. 1892.	
191	R. Rasappen	Carpenter ...	9 0 0	...	...	...	0 7 3	9 7 3	4th April 1892	1st April 1895.	
192	C. Perumall ...	Peon ...	8 0 0	...	...	...	0 6 5	8 6 5	20th Sept. 1884.		
193	M. Moothookistadoo ...	Sweeper ...	6 0 0	...	...	...	0 4 10	6 4 10	8th July 1893.		
		Total ...	192 0 0	6 15 1	2 8 4	...	9 9 9	211 1 2			
	Iron Yard.										
194	T. Mooneesawmy Mudaliar ...	Clerk ...	30 0 0	...	...	1 14 5	...	31 14 5	8th July 1872.	8th Sept. 1891.	
195	C. Singara Mudaliar ...	do ...	20 0 0	0 8 7	0 4 10	...	1 0 0	21 13 5	1st April 1884.	19th July 1892.	
196	——	do ...	15 0 0	...	...	...	0 12 0	15 12 0			Vacant.
		Total ...	65 0 0	0 8 7	0 4 10	1 14 5	1 12 0	69 7 10			
	Cassimode Timber Depôt.										
197	M. C. Coopoo Row Naidu ...	Head Clerk ...	25 0 0	0 2 2	0 6 8	...	1 4 0	26 12 10	17th Oct. 1886.	20th Oct. 1891.	
198	M. Arumuga Mudaliar ...	Weigher & Measurer.	12 0 0	3 0 0	0 6 8	...	0 9 7	16 0 3	1st Oct. 1886.	1st do	
199	J. Gabriel ...	Tally Clerk ...	10 0 0	...	0 5 11	...	0 8 0	10 13 11	13th Aug. 1889.		
200	Mahomed Yacob Khan ...	Peon ...	8 0 0	...	...	...	0 6 5	8 6 5	1st April 1884.		
201	P. Rungiah ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	1st Oct. 1889.	24th April 1894.	
202	A. Varadappen ...	do ...	7 0 0	...	...	...	0 5 7	7 5 7	24th April 1891.		
203	M. Abdool Guffoor ...	Watchman ...	6 0 0	...	...	...	0 4 10	6 4 10	2nd Aug. 1890.		
		Total...	75 0 0	3 2 2	1 3 3	...	3 12 0	83 1 5			
	Preventive Service Establishment.										
204	H. E. Cuffley ...	Preventive Officer ...	60 0 0	14 9 8	9 3 0	...	3 0 0	86 12 8	1st April 1884.	12th April 1892.	North Beach.
205	W. Thompson ...	do ...	60 0 0	12 3 1	6 10 7	...	3 0 0	81 13 8	27th Nov. 1885.	20th Oct. 1891.	South Beach.
206	R. J. Meneaud ...	do ...	60 0 0	10 3 10	8 2 10	...	3 0 0	81 6 8	1st April 1884.	12th April 1892.	
207	R. Holding ...	do ...	60 0 0	8 13 4	6 12 0	...	3 0 0	78 9 4	do	17th Jan. 1891.	
208	S. J. Broom ...	do ...	60 0 0	10 5 7	5 7 2	...	3 0 0	78 12 9	13th Sept. 1884.	17th Jan. 1894.	
209	J. W. S. Cooke ...	do ...	60 0 0	10 9 6	7 3 8	...	3 0 0	80 13 2	10th Dec. 1885.	1st March 1894.	
210	A. Martin ...	do ...	50 0 0	7 13 11	2 3 0	...	2 8 0	62 8 11	1st Jan. 1885.	22nd June 1890.	
211	P. Lee ...	do ...	50 0 0	8 1 0	6 1 3	...	2 8 0	65 10 3	26th Nov. 1885.		
212	B. Staggs ...	do ...	50 0 0	8 0 5	2 14 1	...	2 8 0	63 6 6	27th Nov. 1885.		
213	G. R. Dalby ...	do ...	50 0 0	8 3 9	3 4 7	...	2 8 0	64 0 4	12th Oct. 1886.		
214	H. A. Orton ...	do ..	50 0 0	9 8 9	3 10 10	...	2 8 0	65 11 7	8th Nov. 1887.		
215	J. H. Strange ...	do ...	50 0 0	5 9 3	2 4 10	...	2 8 0	60 6 1	13th April 1892.	12th June 1893.	
216	W. Cooke ...	do ...	50 0 0	4 1 10	2 8 4	...	2 8 0	59 2 2	2nd March 1892.	17th Jan. 1894.	Iron Yard.
217	S. A. Collins ...	do ...	40 0 0	5 0 6	2 11 7	...	2 0 0	49 12 1	15th Nov. 1892.		
218	J. Dennison ...	do ...	40 0 0	6 0 0	3 11 6	...	2 0 0	51 11 6	19th Aug. 1893.		
219	H. Meakin ...	do ...	40 0 0	3 2 11	2 15 4	...	2 0 0	48 2 3	3rd Feb. 1894.		
220	J. W. L. O'Hara ...	do ...	40 0 0	1 3 0	1 10 4	...	2 0 0	44 13 4	14th March 1894.	5th June 1894.	
221	C. D. Ritchie ...	do ...	40 0 0	2 1 8	0 15 7	...	2 0 0	45 1 3	5th July 1892.	19th do do	
		Total...	910 0 0	135 12 0	78 6 6	...	45 8 0	1,169 10 6			
	Boat Establishment.										
222	P. Jadaroyen ...	Tindal ...	12 0 0	0 5 2	1 4 4	...	0 9 7	14 3 1	1st April 1870.		
223	C. Venkatasawmy ...	do ...	12 0 0	...	0 8 11	...	0 9 7	13 2 6	do		
224	P. Anthoneappen ...	Boatman ...	10 0 0	0 3 10	1 0 5	...	0 8 0	11 12 3	16th April 1873.		
225	C. Dorasawmy ...	do ...	10 0 0	0 3 5	0 15 9	...	0 8 0	11 11 2	24th Oct. 1878.		
226	R. Murugasan ...	do ...	10 0 0	0 5 2	0 13 2	...	0 8 0	11 10 4	1st Sept. 1878.		
227	R. Vencatasawmy ...	do ...	10 0 0	0 3 10	1 2 2	...	0 8 0	11 14 0	24th March 1880.		
228	C. Shance ...	do ...	10 0 0	0 0 5	1 0 11	...	0 8 0	11 9 4	4th June 1883.		
229	—— ...	do ...	10 0 0	...	...	...	0 8 0	10 8 0	...	...	Vacant.
230	R. Manickum ...	do ...	10 0 0	0 3 4	0 15 3	...	0 8 0	11 10 7	2nd Dec. 1890.		
231	P. Valoo ...	do ...	10 0 0	0 3 10	0 15 4	...	0 8 0	11 11 2	3rd January 1894		
232	C. Munisawmy ...	do ...	10 0 0	0 5 2	1 2 10	...	0 8 0	12 0 0	3rd January 1894		
		Total ...	114 0 0	2 2 2	9 15 1	...	5 11 2	131 12 5			
	Tidal Observatory.										
233	G. Vythihanat Iyer ...	Tide Gauge Clerk ...	30 0 0	...	...	...	1 8 0	31 8 0	1st Nov. 1894.		

SUMMARY.

Items.	Salaries.			Outfees and Overtime.			Contributions towards Pensions.			Contributions towards Provident Fund.			Total.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Correspondence Department...	317	0	0	...	...	...	0	8	6	15	5	8	332	14	2
Account Department ...	550	0	0	...	...	...	0	8	6	27	1	7	577	10	1
Cash Department ...	419	8	0	37	3	2	5	8	6	17	10	9	479	14	5
Traffic Department (Shore Staff) ...	2,718	8	0	259	10	0	61	0	10	113	8	1	3,152	10	11
Preventive Service ...	910	0	0	214	2	6	...	...	...	45	8	0	1,169	10	6
Do Boatmen ...	114	0	0	12	1	3	...	...	...	5	11	2	131	12	5
Tidal Observatory ...	30	0	0	...	...	...	...	...	...	1	8	0	31	8	0
Total per mensem ...	5,059	0	0	523	0	11	67	10	4	226	5	3	5,876	0	6
Total per annum ...	60,708	0	0	6,276	11	0	811	12	0	2,715	15	0	70,512	6	0

MADRAS,
15th February 1895.

C. PINSENT,
Secretary, Harbour Trust Board.

MARINE DEPARTMENT.

UNDER SECRETARY
2 MAR 95
PUBLIC & Tr. DEPTS.

FROM

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

DATED *22nd February* 1895.

DESPATCHED *2nd March* ,,

RECEIVED ,, ,,

ENCLOSURE *Schemes of Staff*
Revenue Establishment

No. 4237.

SUBJECT.

BUDGET ESTIMATES.

Submitting——of the Receipts and Charges of the Madras Harbour Trust for the year 1895-96.

LAWRENCE ASYLUM PRESS.

1895
Finl Dept.
Bndle 1
No.
C. No 544

Harbour Trust Board Office,

Madras, 22nd *February*, 1895.

No. 4237.

From

EDWARD TURNER, Esq., I.C.S.,
Chairman, Harbour Trust Board,
Madras.

To

The Hon'ble Mr. J. F. PRICE, c.s.i., I.C.S.,
Chief Secretary to Government,
Marine Department.

Sir,

I have the honour to submit for the information and approval of Government the Estimate of Receipts and Charges of the Madras Harbour Trust for the year 1895-96: which was considered by the Trustees at a Special Meeting of the Board, held under Section 37 Act II of 1886 on Friday, 15th instant.

Revenue Account.—The estimated opening balance of this account is Rs. 7,75,750: after deducting in the column, Revised Estimate for 1894-95 the extra Rs. 5,00,000 refunded to Government on account of Capital Advances under Section 32 Act II of 1886, sanctioned in G. O., No. 24 Financial, dated 11th January 1895.

RECEIPTS.

Contribution from Port Funds is taken at Rs. 47,000, that being the amount which the Presidency Port Officer has advised me, will probably be available. The other items of receipts, from *Harbour Dues* follow closely the revised estimates for 1894–95, and need no comment. *Porterage* receipts are stated at Rs. 76,500 which is the amount that the Trustees anticipate will be received under the reduced scale of rates lately sanctioned by Government. The *interest* on Government pro-notes which it is anticipated will be received during the course of the year is only Rs. 14,000: due to the reduced holding of Government paper, and interest thereon being now 3½ %. The total receipts are estimated at Rs. 4,67,700, which with the opening balance make a total of Rs. 12,43,450.

CHARGES.

Interest under Section 30 has now mounted up to Rs. 2,27,500, and this sum, together with the usual *refund* of one lakh, will be paid to the credit of Government on the 1st April next.

Establishment.—The usual printed Schedule of Staff is annexed: the *personel* is practically the same as last year. In the Correspondence, Accounts, and Cash Departments, there is a small increase of Rs. 398 due to an extra Rs. 10 per mensem granted to the Cashier, and minor departmental arrangements necessitating the small additional outlay.

The Traffic Department shows an increase of Rs. 4,000; this is due to the personal allowance to the Traffic Manager being charged for 12 months as against 9 in 1894-95, the progressive salary of the Deputy Traffic Manager, who has not yet attained to the sanctioned maximum pay of that appointment: and to the transfer to the Traffic Department of two senior Preventive Officers: who having regard to the nature of their duties—the supervision of the Traffic upon the Pier and the reception and delivery of cargo at and from the Custom House—have now been designated *Assistant Traffic Managers*, on salaries increased by Rs. 50 and 25 respectively. This additional charge against the Traffic Department has been met by withdrawing from the Deputy Traffic Manager all overtime fees from 1st April next, the Trustees being of opinion that he should, in this respect, be treated in the same manner as the Traffic Manager. The reduction in overtime fees, and in the cost of the Preventive Service, will about balance the addition made by this transfer.

Porterage charges have been reduced from Rs. 83,780 to Rs. 75,680, which is due to the steady import of Coal having enabled me to get the work done cheaper than was possible when the imports were irregular. The Trustees do not anticipate making any cash profit upon the working of the porterage in future; the revised Schedule of rates being calculated to about balance receipts and charges hereafter. It is impossible yet to say whether this will actually prove to be the case, but it is the object which has been steadily aimed at, and the net advantage to the Board, and to the public, will in future be the saving of charges previously paid from collections of Harbour Dues, while the public paid to the Board's Contractors higher rates than have at any time been levied by the Trust, and which have now been reduced to the point at which it is anticipated that the rates levied from the Mercantile public will as nearly as possible pay for all charges rightly debitable to the porterage of cargo. Details of the anticipated Receipts and Charges under this head are given in the separate porterage estimate attached.

Other items of expenditure call for no special comment; the usual small provision for *petty constructions and repairs* has been made; the Board has however no *new work* in view at present, but some such may be found desirable during the course of the year. The sum provided for repairs to machinery, &c., Rs. 10,000 will probably be required, but with regard to new tools and plant very little, if anything at all, will be needed so far as can be judged at present.

The Closing balance of the Revenue Account is estimated at Rs. 7,05,937 on the 31st March 1896, being a reduction of Rs. 69,813 upon the closing balance of the current official year. The Chief items in the Board's Expenditure are the interest and refund payable to Government under Section 30 and 31 of the Harbour Trust Act, and in view of the extra repayment lately made, and that the Harbour is now approaching completion, the heavier item—interest—will in future be annually reduced, and gradually bring the Receipts and Charges to an equilibrium. Excluding these two items the estimated receipts of the Trust are Rs. 2,58,000 in excess of the proposed expenditure: and the excess of charges above that amount will be met from accumulated funds: which are, it is calculated, sufficient to meet the annual drain upon them until repayment of Capital Advances, and consequent reduction in the amount of interest due upon such, enables the yearly Revenue to meet all expenses

CAPITAL ACCOUNT.

In the column, Revised Estimate 1894-95, is entered the sum of Rs. 6,00,000 repaid on account of Harbour Construction during the current year: which leaves an outstanding balance due to Government upon the 31st March 1895 of Rs. 47,24,242.

Credit is taken for Rs. 82,227 being the balance receivable under the revised estimate for Harbour Construction sanctioned in the Secretary of State's despatch, No. 1, dated 7th January 1892, *viz.*, Rs. 61,06,227. But I have already reported to Government, in submitting the report for the quarter ending 31st December 1894, that the Board's Engineer has made a further demand for funds, chiefly due to delay in the completion of the Works, and that this balance will not be sufficient to complete the Harbour, as it was understood would be the case.

The Engineer has been directed to prepare a detailed estimate, which will be submitted to Government as soon as possible after being received, and considered by the Board, when I will address you fully upon the subject. In the absence of any previous information as to excess expenditure, and in view of the latest orders of Government, the balance of the sanctioned estimate only is now shown: subject to revision upon the receipt of orders from Government, after the Board is in a position to submit details.

The payment of Rs. 1,00,000 on the 1st April next, in reduction of Capital Advances, will make a total of Rs. 14,00,000 refunded since the constitution of the Trust.

I have the honor to be,
Sir,
Your most obedient servant,

Chairman, Harbour Trust Board.

Extract of Proceedings of the TRUSTEES of the HARBOUR of MADRAS, at a Meeting held at Offices of the Board on Friday the 22nd day of February 1895.

* * *

5. Read draft letter to the Chief Secretary to Government submitting Budget Estimates of Receipts and Charges of the Madras Harbour Trust for the year 1895-96.

Approved and resolved that the Estimates now before the Board, modified in accordance with the instructions given at the special meeting held on the 15th instant, be submitted to Government.

* * *

True extract.

C. PINSENT,
Secretary, Harbour Trust Board.

Court Sheet

Estimate of Receipts and Charges of the Madras Harbour Trust for the Year 1895-96.

ITEMS.	Actuals of 1893-94.	Actuals from 1st April to 31st Dec. 1894.	Actuals from 1st Jan. to 31st Mar. 1894.	Total.	Budget Estimate for 1894-95.	Revised Estimate for 1894-95.	Budget Estimate for 1895-96.	Remarks.
Revenue Account.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Opening Balance	...	...	...	...	11,41,431	11,68,742	7,75,750	
Receipts.								
Contribution from Port Funds ...	20,000	57,607	...	57,607	40,000	1,72,431	47,000	
Beach Imports : dues, under Sec. 45 (*a*) I (i) (ii) (iii) ...	1,52,649	1,09,890	40,644	1,50,534	1,35,000	1,45,000	1,40,000	
Pier do do do ...	61,290	45,924	16,579	62,503	60,000	60,000	60,000	
Beach Exports : do do ...	29,811	23,874	7,638	31,512	25,000	30,000	25,000	
Pier do do do ...	44,184	36,548	11,344	47,892	40,000	45,000	40,000	
Wharfage, under Sec. 45 (*a*) II ...	6,775	4,120	1,495	5,615	6,000	6,000	6,000	
Cranage do III ...	40,661	31,670	10,450	42,120	33,000	40,000	40,000	
Storage do IV ...	2,235	1,025	456	1,481	2,000	1,500	1,500	
Demurrage do V ...	...	362	...	362	1,000	500	500	
Dues for entry of vehicles under Sec. 45 (c) VI	13,288	8,948	4,090	13,038	10,000	12,000	12,000	
Provisions : dues on—under Sec. 45 (*a*) I (i)	564	465	130	595	500	500	500	
Rent of Properties	1,137	504	285	789	500	500	500	
Water : charge for—delivered at Pier head	4,126	3,475	938	4,413	4,000	4,000	4,000	
Penalties under Section 84	...	...	...	...	...	...	...	
Sundries	4,307	...	...	...	500	200	200	
Porterage	93,047	69,220	22,762	91,982	92,000	92,000	76,500	For details *vide* Statement annexed.
Interest on Government of India 3½% Pro. Notes	37,021	27,701	16,456	44,157	33,000	40,000	14,000	
Total ...	5,11,095	4,21,333	1,33,267	5,54,600	4,82,500	6,49,631	4,67,700	
Total including the Opening Balance ...	...	...	...	...	16,23,931	18,18,373	12,43,450	
Charges.								
Interest under Section 30	2,18,478	2,22,913	...	2,22,913	2,23,000	2,23,913	2,27,500	
Repayment of Loan for Construction of Harbour under Sec. 31	1,00,000	1,00,000	...	1,00,000	1,00,000	*6,00,000	1,00,000	*G. O. No. 24 Financial, dated 11th Jan. 1895, Rs. 5,00,000 under Section 32 of Act II of 86.
Refunds	1,959	655	255	910	2,000	1,500	1,500	
Fees to Trustees	6,510	4,620	1,650	6,270	7,000	7,000	7,000	
Chairman's allowance	4,800	3,600	1,200	4,800	4,800	4,800	4,800	
Establishment.								
Secretary's Salary	10,900	7,200	2,400	9,600	9,600	9,600	9,600	
Do Personal allowance ...	...	...	...	...	2,200	...	...	
Correspondence Department	3,712	2,683	931	3,614	3,804	3,650	3,804	
Accounts Department	6,289	4,974	1,590	6,564	6,580	6,630	6,600	
Cash do	4,494	3,496	1,136	4,632	4,590	4,750	5,024	
Traffic do (Shore Staff) ...	25,777	20,806	6,692	27,498	28,500	28,400	32,400	
Do Manager's personal allowance ...	...	...	...	...	1,925	...	...	
Preventive Service	12,187	9,271	3,098	12,369	12,780	12,500	11,065	
Preventive Service Boatmen	1,150	895	274	1,169	1,224	1,250	1,368	
Tidal Observatory ...	...	30	...	30	...	120	360	
Exchange Compensation allowance ...	...	3,540	...	3,540	1,800	4,300	2,500	
Contribution to Government for Pensions ...	583	623	214	837	900	830	812	
Do to Provident Fund ...	2,984	60	2,910	2,970	3,000	3,200	3,400	
Porterage.								
Under Act I of 1892	77,670	63,849	18,487	82,336	78,830	83,780	75,680	For details *vide* Statement annexed.
Total ...	4,77,493	4,49,215	49,837	4,99,052	4,92,533	9,95,223	4,93,412	

1368-8

Estimate of Receipts and Charges of the Madras Harbour Trust for the Year 1895-96.

ITEMS.	Actuals of 1893-94.	Actuals from 1st April to 31st Dec. 1894.	Actuals from 1st Jany. to 31st March 1894.	Total.	Budget Estimate for 1894-95.	Revised Estimate for 1894-95.	Budget Estimate for 1895-96.	REMARKS.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Forward ...	4,77,493	4,49,215	40,837	4,90,052	4,92,533	9,95,223	4,93,413	
Charges—continued.								
Contingencies.								
(a) Subject to Regular Audit.								
Postage	92	47	11	58	100	100	100	
Receipt Stamps	204	156	59	215	200	200	200	
Telegrams	17	27	9	36	50	50	50	
Furniture	222	131	11	142	500	300	500	
Fees for Audit	750	...	750	750	750	750	750	
Law Charges	1,497	31	274	305	2,000	500	500	
Stationery and Printing	2,254	2,950	858	3,808	2,500	3,500	3,000	
Advertisement Charges ...	393	230	...	230	500	500	500	
Uniform for Peons, and Preventive Service, &c.	1,413	1,442	95	1,537	1,500	1,500	1,500	
(b) Admissible without Detailed Audit, Contingencies other than Office.								
Fees to Establishment for working overtime on Sundays and holidays ...	4,892	3,364	1,445	4,809	4,500	4,500	4,000	
Fees to Preventive Service and Boatmen on Sundays and holidays ...	2,988	2,484	885	3,369	3,500	3,500	3,000	
Miscellaneous	5,888	2,581	1,090	3,671	4,000	4,000	4,000	
Petty Construction and Repairs.								
New Works	61	8,993	....	8,993	15,000	15,000	15,000	
Repairs to Pier, Machinery, &c. ...	9,330	8,342	85	8,427	10,000	10,000	10,000	
Tools and Plant	711	887	...	887	15,000	3,000	1,300	
Total ...	5,08,205	4,80,880	46,409	5,27,289	5,52,633	10,42,623	5,37,513	
Closing Balance.								
In the Bank of Madras (invested in Government Securities)... ...					7,50,000	4,45,000	4,00,000	
Do do (Cash)					3,20,000	3,30,000	3,05,500	
In the Harbour Trust Office (Cash)					1,298	750	437	
Total					16,23,931	18,18,373	12,43,450	
Capital Account.								
Liabilities outstanding at the beginning of the year	50,04,242				51,74,242	51,74,242	47,24,242	
Loans from Government on account of Harbour Works	2,70,000				1,50,000	1,50,000	82,227	
Loans from Government on account of Protective Works	...				...	...	...	
Deposits	...				...	...	...	
Other Debit transactions	...				...	...	...	
Total ...	52,74,242				53,24,242	53,24,242	48,06,469	
Repayment of Loans	1,00,000				1,00,000	6,00,000	‡1,00,000	‡This payment makes a total of Rs. 14,00,000 re-paid.
Do of Deposit	...				...	...	...	
Do of other Debts	..				...	...	...	
Total Repayments ...	1,00,000				1,00,000	6,00,000	1,00,000	
Liabilities outstanding at the close of the year	51,74,242				52,24,242	47,24,242	47,06,469	

C. PINSENT,

Secretary, Harbour Trust Board.

Chairman, Harbour Trust Board.

MADRAS, *15th February* 1895.

PORTERAGE.

Estimate of Receipts and Charges for the year 1895-96.

ITEMS.	Actuals of 1893-94.	Actuals from 1st April to 31st Dec. 1894.	Actuals from 1st January to 31st March 1894.	Total.	Budget Estimate for 1894-95.	Revised Estimate for 1894-95.	Budget Estimate for 1895-96.	REMARKS.
Receipts.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Porterage, Beach	58,347	45,819	13,819	59,638	60,000	60,000	50,000	
Do. Pier	32,355	23,270	8,004	31,274	30,000	31,500	26,000	
Miscellaneous	2,345	131	939	1,070	2,000	500	500	
Total, Rs. ...	93,047	69,220	22,762	91,982	92,000	92,000	76,500	
Charges.								
Coolies, Beach	39,177	28,316	9,035	37,351	40,000	38,000	33,000	
Do. Pier	15,360	12,273	4,242	16,515	13,000	15,000	15,000	
Do. Custom House ...	9,701	7,322	2,543	9,865	13,000	10,000	10,000	
Do. M. R. C.	609	...	335	335	500	...	...	
Do. S. I. R. C. ...	91	...	21	21	500	...	...	
Do. Coasting Cargo ...	1,095	1,175	282	1,457	1,000	1,500	1,500	
Boat Hire	6	...	...	...	...	...	...	
Cart do.	...	...	...	...	...	...	1,000	
Engine Charges	1,455	1,835	593	2,428	2,000	2,500	2,500	
Steam Crane Charges ...	1,689	1,798	135	1,933	2,400	2,500	2,400	
Refunds	697	3,657	40	3,697	1,000	5,000	2,000	
Claims for loss and damage of cargo	527	679	208	887	1,000	1,000	1,000	
Provident Fund.								
Deductions from Coolies wages	550	810	219	1,029	825	1,000	1,000	
Contributions by the Trust ...	904	810	230	1,040	825	1,000	1,000	
Contingencies.								
(a) Subject to Regular Audit								
Postage	...	...	...	...	10	10	10	
Receipt Stamps	2	2	—9	—7	20	20	20	
Telegrams	...	...	...	...	...	...	...	
Furniture	107	29	...	29	200	200	200	
Tarpaulins	1,401	1,226	...	1,226	2,000	1,500	1,500	
Law Charges	...	...	...	...	50	50	50	
Stationery and Printing ...	617	312	226	538	500	500	500	
Advertisement Charges ...	...	...	...	...	...	...	...	
Lighting Pier and Yards ...	1,250	1,396	4	1,400	2,000	1,500	1,500	
(b) Admissible without detailed Audit								
Miscellaneous	2,432	2,209	383	2,592	1,000	2,500	1,500	
Total Rs. ...	77,670	63,849	18,487	82,336	78,830	83,730	75,680	

C. PINSENT,

Secretary, Harbour Trust Board.

Chairman, Harbour Trust Board.

MADRAS, *15th February* 1895.

MARINE DEPARTMENT.

FROM

THE CHAIRMAN,

HARBOUR TRUST BOARD,

MADRAS.

TO

THE CHIEF SECRETARY TO GOVERNMENT,

Marine Department.

DATED 22*nd February* 1895.

DESPATCHED 2*nd March* ,,

RECEIVED ,, ,,

ENCLOSURE Schedule of Staff
Revenue Establishment

No. 4237.

SUBJECT.

BUDGET ESTIMATES.

Submitting——of the Receipts and Charges of the Madras Harbour Trust for the year 1895-96.

LAWRENCE ASYLUM PRESS.

[G. 21]
200—8-2-95.

Financial DEPARTMENT.

Papers to be read in proceedings:—

Again G.O., dated 189 , No.

Again G.O., dated 189 , No.

Current No. 544 of 1895, dated 22nd Feb. from the Chairman, H.T.B.

Current No. of 189 , dated from

ORDER. 25th March 1895, No. 272.

W 22 Mar

G.O. d/ 11-1-95, No. 34.

- printed file

The Harbour Trust Board estimates its receipts in 1895-96 at 4·68 lakhs against 6·50, the revised estimate for 1894-95, and 5·11, the actuals of 1893-94. The variations are explained in the Chairman's covering letter.

2. The charges are placed at 5·37 against 10·48 in the revised ~~estimate~~ and 5·08 the actuals of 1893-94. The high figure in the revised is principally due to the repayment towards the loan taken from Government of 5 lakhs in addition to the usual instalment of one lakh.

3. Under both receipts and charges the budget estimate for 1894-95 as ~~origi~~ originally submitted by the Board and not as passed by Government in G.O. dated 1st May 1894, No. 348/~~9~~, has been entered. The attention of the Board was called to this

this matter last year. In paragraph 4 of the proceedings just quoted the Government directed that the provision made in the budget on account of exchange compensation allowance and personal allowances ~~for~~ to the Secretary and the Traffic Manager should be struck out. The grant of exchange compensation allowance and of a personal allowance to the Traffic Manager was sanctioned, subsequent to the passing of the budget and these items have rightly been shown in the revised estimate, but they should not have been included in the budget estimate for 1894-95 which should contain the figures as passed by Government.

4. Credit is taken for a further loan from Government of ·82, being the balance of the sanctioned estimate for Harbour construction. ~~It is expected, however, that the estimate will be exceeded. The matter is being enquired into~~ . In the meantime the Government of India will be requested to sanction the loan of ·82.

The supplemental estimate for the completion of the Harbour is under consideration in the P. W. Dept.

C.S. 13.3.95 — 17/3/95

TO

The Chairman, Harbour Trust Board. 6
,, Presidency Port Officer. 6
,, Public Works Department. 1
,, Marine Department. 1
,, Accountant General. 6

dispd 5/4/95

LETTER.- No 273. 48

TO

The Secretary to the Govt. of India,

Finance and Commerce Dept.

Letter & Cn
Proc & Cpy
2 Cpy C Rs 5744
Memo
Dispd 5/4/95

SIR,

I am directed to forward copy of the Proceedings of this Government ~~marginal~~ of the today's date, No 273, containing the B.E. of the Madras H.T. Board for 1895-96 ~~noted~~ and to request that the loan of ·82 lakh, being the balance of the ~~revised~~ revised estimate for the completion of the Harbour for which credit is taken ~~in the estimate for 1895-96~~ by the Board, may be sanctioned. The Board reports that the estimate for construction is likely to be exceeded and its detailed report on the subject is under consideration.

C.S. 13.3.95 — 17/3/95

Note.

The quarterly progress report (A) and the special report (B) have been transferred to the P.W.Dept. This order need not, it is submitted, await the disposal of the question of the excess expenditure on the Harbour. All that the Government of India is asked for now is to approve of the disbursement of the balance (·82) of the sanctioned estimate.

C.S. 15/3/95

HARBOUR TRUST

BUDGET 1895-96.

H. M. & H.E. the Governor.

P. S.

Marine Department for favour of counter-initials.

13/3/95

25TH MARCH 1895, No. 272, FINANCIAL.

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

READ—the following paper :—

From E. TURNER, Esq., I.C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 22nd February 1895, No. 4237.

I have the honour to submit, for the information and approval of Government, the estimate of receipts and charges of the Madras Harbour Trust for the year 1895–96, which was considered by the Trustees at a special meeting of the Board held under section 37, Act II of 1886, on Friday, 15th instant.

Revenue Account.—The estimated opening balance of this account is Rs. 7,75,750, after deducting in the column, Revised Estimate for 1894–95, the extra Rs. 5,00,000 refunded to Government on account of capital advances under section 32, Act II of 1886, sanctioned in G.O., No. 24, Financial, dated 11th January 1895.

RECEIPTS.

Contribution from Port Funds is taken at Rs. 47,000, that being the amount which the Presidency Port Officer has advised me will probably be available. The other items of receipts from *Harbour Dues* follow closely the revised estimates for 1894–95 and need no comment. *Porterage* receipts are stated at Rs. 76,500, which is the amount that the Trustees anticipate will be received under the reduced scale of rates lately sanctioned by Government. The *interest* on Government pro-notes which it is anticipated will be received during the course of the year is only Rs. 14,000, due to the reduced holding of Government paper and interest thereon being now $3\frac{1}{2}$ per cent. The total receipts are estimated at Rs. 4,67,700, which with the opening balance make a total of Rs. 12,43,450.

CHARGES.

Interest under section 30 has now mounted up to Rs. 2,27,500, and this sum, together with the usual *refund* of one lakh, will be paid to the credit of Government on the 1st April next.

Establishment.—The usual printed schedule of staff is annexed: the *personel* is practically the same as last year. In the Correspondence, Accounts and Cash Departments there is a small increase of Rs. 398, due to an extra Rs. 10 per mensem granted to the Cashier and minor departmental arrangements necessitating the small additional outlay.

The Traffic Department shows an increase of Rs. 4,000; this is due to the personal allowance to the Traffic Manager being charged for twelve months as against nine in 1894–95, the progressive salary of the Deputy Traffic Manager who has not yet attained to the sanctioned maximum pay of that appointment, and to the transfer to the Traffic Department of two senior preventive officers who, having regard to the nature of their duties—the supervision of the traffic upon the pier and the reception and delivery of cargo at and from the Custom House—have now been designated *Assistant Traffic Managers* on salaries increased by Rs. 50 and 25 respectively. This additional charge against the Traffic Department has been met by withdrawing from the Deputy Traffic Manager all overtime fees from 1st April next, the Trustees being

of opinion that he should, in this respect, be treated in the same manner as the Traffic Manager. The reduction in overtime fees and in the cost of the preventive service will about balance the addition made by this transfer.

Porterage charges have been reduced from Rs. 83,780 to Rs. 75,680, which is due to the steady import of coal having enabled me to get the work done cheaper than was possible when the imports were irregular. The Trustees do not anticipate making any cash profit upon the working of the porterage in future, the revised schedule of rates being calculated to about balance receipts and charges hereafter. It is impossible yet to say whether this will actually prove to be the case, but it is the object which has been steadily aimed at, and the net advantage to the Board and to the public will in future be the saving of charges previously paid from collections of harbour dues, while the public paid to the Board's contractors higher rates than have at any time been levied by the Trust, and which have now been reduced to the point at which it is anticipated that the rates levied from the mercantile public will, as nearly as possible, pay for all charges rightly debitable to the porterage of cargo. Details of the anticipated receipts and charges under this head are given in the separate porterage estimate attached.

Other items of expenditure call for no special comment. The usual small provision for *petty constructions and repairs* has been made; the Board has however no *new work* in view at present, but some such may be found desirable during the course of the year. The sum provided for repairs to machinery, &c.—Rs. 10,000—will probably be required, but with regard to new tools and plant very little, if anything at all, will be needed so far as can be judged at present.

The closing balance of the Revenue Account is estimated at Rs. 7,05,937 on the 31st March 1896, being a reduction of Rs. 69,813 upon the closing balance of the current official year. The chief items in the Board's expenditure are the interest and refund payable to Government under sections 30 and 31 of the Harbour Trust Act, and in view of the extra repayment lately made and that the harbour is now approaching completion, the heavier item—interest—will in future be annually reduced and gradually bring the receipts and charges to an equilibrium. Excluding these two items the estimated receipts of the Trust are Rs. 2,58,000 in excess of the proposed expenditure; and the excess of charges above that amount will be met from accumulated funds, which are, it is calculated, sufficient to meet the annual drain upon them until repayment of capital advances, and consequent reduction in the amount of interest due upon such, enables the yearly revenue to meet all expenses.

Capital Account.

In the column, Revised Estimate 1894–95, is entered the sum of Rs. 6,00,000 repaid on account of harbour construction during the current year, which leaves an outstanding balance due to Government upon the 31st March 1895 of Rs. 47,24,242.

Credit is taken for Rs. 82,227, being the balance receivable under the revised estimate for harbour construction sanctioned in the Secretary of State's despatch, No. 1, dated 7th January 1892, *viz.*, Rs. 61,06,227. But I have already reported to Government, in submitting the report for the quarter ending 31st December 1894, that the Board's Engineer has made a further demand for funds, chiefly due to delay in the completion of the works, and that this balance will not be sufficient to complete the harbour, as it was understood would be the case.

The Engineer has been directed to prepare a detailed estimate, which will be submitted to Government as soon as possible after being received and considered by the Board, when I will address you fully upon the subject. In the absence of any previous information as to excess expenditure and in view of the latest orders of Government, the balance of the sanctioned estimate only is now shown, subject to revision upon the receipt of orders from Government, after the Board is in a position to submit details.

The payment of Rs. 1,00,000 on the 1st April next, in reduction of capital advances, will make a total of Rs. 14,00,000 refunded since the constitution of the Trust.

Order—dated 25th March 1895, No. 272, Financial.

The Harbour Trust Board estimates its receipts in 1895–96 at 4·68 lakhs, against 6·50, the revised estimate for 1894–95, and 5·11, the actuals of 1893–94. The variations are explained in the Chairman's covering letter.

2. The charges are placed at 5·37, against 10·43 in the revised, and 5·08, the actuals of 1893–94. The high figure in the revised is principally due to the repayment towards the loan taken from Government of 5 lakhs in addition to the usual instalment of one lakh.

G.O., dated 11th January 1895, No. 24.

3. Under both receipts and charges the budget estimate for 1894–95 as originally submitted by the Board and not as passed by Government in G.O., dated 1st May 1894, No. 348, has been entered. The attention of the Board was called to this matter last year. In paragraph 4 of the Proceedings just quoted, the Government directed that the provision made in the budget on account of exchange compensation allowance and personal allowances to the Secretary and the Traffic Manager should be struck out. The grant of exchange compensation allowance and of a personal allowance to the Traffic Manager was sanctioned subsequent to the passing of the budget and these items have rightly been shown in the revised estimate, but they should not have been included in the budget estimate for 1894–95, which should contain the figures as passed by Government.

4. Credit is taken for a further loan from Government of ·82, being the balance of the sanctioned estimate for harbour construction. The supplemental estimate for the completion of the harbour is under consideration in the Public Works Department. In the meantime the Government of India will be requested to sanction the loan of ·82.

[Here enter No. 273, dated 25th March 1895.]

(True Extract.)

Chief Secretary.

To the Chairman, Harbour Trust Board.
" Presidency Port Officer.
" Public Works Department.
" Marine Department.
" Accountant-General.

Exd. A. Raitt.

Govt. of {1895} Madras.

FINANCIAL.

Issued

Recd. *Encl.*

G.O., 25th March 1895, No. 272.

MARCH.

Budget Estimates of the Harbour Trust Board for 1895-96.

Reviewing the —, and directing that the Government of India be requested to sanction the loan of ·82 lakh, being the balance of the revised estimate for the completion of the harbour for which credit is taken by the Board.

Scoop - Please see to query

25TH MARCH 1895, No. 273, FINANCIAL.

FINANCIAL DEPARTMENT.

LETTER—from

THE CHIEF SECRETARY TO THE GOVERNMENT OF FORT ST. GEORGE,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
FINANCE AND COMMERCE DEPARTMENT.

SIR,

I am directed to forward copy of the Proceedings of this Government of to-day's date, No. 272, containing the budget estimates of the Madras Harbour Trust Board for 1895-96, and to request that the loan of ·82 lakh, being the balance of the revised estimate for the completion of the harbour for which credit is taken by the Board, may be sanctioned. The Board reports that the estimate for construction is likely to be exceeded and its detailed report on the subject is under consideration.

I have the honour to be,
Sir,
Your most obedient servant,

FORT ST. GEORGE,
25*th March* 1895.

Chief Secretary.

Exd. A. Raitt.

1895.

FINANCIAL DEPARTMENT.

From the Government of
Fort St. George.

Issued

Recd. *Encl.*

Letter, 25th March 1895, No. 273.

MARCH.

Budget Estimates of the Harbour Trust Board for 1895-96.

Forwarding copy of the Proceedings containing
he —, and requesting that the loan of ·82 lakh,
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ompletion of the harbour for which credit is taken
y the Board, may be sanctioned.

t copy sent to Press.

Returned for signature.

Despatched in print.

NUMBER OF COPIES REQUIRED. { Order complete. 60 / Letter only. 10 / Order complete with Letter. 10

AGAIN G.O., No. 139 DATED

CURRENT F

ENCLOSURES TO C. No

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT.

TEMENT WITH DITTO.

APERS NOT FILED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.

N.B.—

A = Print in full.
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