(1) பங்குகளின் எண்ணிக்கை 70

(2) புதுக்கித் திருப்பிய நாள் 2/92

(3) ஆதாரங் குறிப்பவர் சருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

1949 துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 798-799

அச்சகம்
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நாள் : 20-3-1994

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PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honorable the SECRETARY of STATE for INDIA.

In continuation of our despatch No. $\frac{1}{48}$ W., dated 9th January 1894, we have the honour to forward the progress report of the Madras Harbour Works for the quarter ending 31st December 1893.

2. The report is accompanied by two plans showing the position and quantity of work done during the quarter.

We have the honour to be,
Sir,
Your most obedient, humble servants,

(Signed) WENLOCK.
(,,) H. W. BLISS.
(,,) J. GROSE.

Fort St. George,
20th March 1894.

Exd. C. A. Manisamy.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honorable the Secretary of State for India.

No. $\frac{4}{798\ W.}$, dated 20th Mar. 1894.

FORWARDING progress report of the Madras Harbour Works for quarter ending 31st December 1893 together with two plans showing the position and quantity of work done during the quarter.

788-788/3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From the Honorable Mr. WARE AUSTIN, I.C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 16th February 1894, No. 3890.

I have the honour to submit herewith, for the information of Government, report upon the progress of reconstruction of the Harbour during the quarter 1st October to 31st December 1893, together with the statements and tracings referred to by the Board's Engineer; also statements of goods imported and exported for the quarter and for the nine months commencing 1st April 1893 compared with the corresponding periods in the previous year; statement of cash receipts and charges and comparative statement showing the increases and decreases of receipts and charges for the nine months as against the corresponding period in 1892.

2. Referring to the returns of goods imported and exported, it is to be observed that the following are the principal items in which variation has to be recorded.

3. *Imports from Foreign Ports—Increase.*—Boilers 20, crockery and glassware 1,654 packages, coal 6,330 tons, copper 6,197 ingots, dynamite 2,993 cases, hardware 2,080 packages, iron 694 tons, kerosine oil 46,117 cases and 3,066 tons, nails 4,258 kegs, piece-goods 5,985 packages, twist 1,915 bales, paper 687 bales, steel 5,342 bundles and bars, sundries 19,414 packages, sugar 624 bags, spelter 3,854 cakes, tin-plates 2,523 boxes, window-glass 2,606 cases.

4. *Decrease.*—Beer 1,237 cases, 149 barrels, 2,298 hogsheads, candles 3,893 cases, provisions 1,090 cases, cast iron 355 packages, coke 101 tons, crackers 514 cases, corrugated iron 538 packages, gunpowder 890 packages, oil and turpentine 2,831 drums, wines and spirits 6,884 casks and cases.

5. *Imports from Coast Ports* show a healthy activity, the principal variations being an *increase* of 34,454 bags of grain and peas, coal 9,198 tons, and 2,000 bales skins; and a *decrease* of 38,713 bags of paddy, 65,629 bags of rice, 8,570 bags seeds, 3,764 bales hides.

6. *Exports to Foreign Ports—Increase.*—Cotton 29,231 bales, groundnuts 107,630 bags, jaggery 32,489 bags, onions 8,297 bags, poonac 11,476 bags, rice 9,829 bags, seeds 1,374 bags.

Decrease.—Coffee 11,981 bags, twist 3,995 bales, hides (tanned) 9,128 bales, indigo 1,280 chests, skins (tanned) 4,711 bales, tamarind 2,402 bundles.

7. *Exports to Coast Ports—Increase.*—Chillies 5,118 bags, cotton 4,127 bales, myrabolams 1,078 bags, onions 9,616 packages, potatoes 6,466 packages, paddy 6,810 bags, seeds 17,241 bags, sandalwood 2,500 bundles, turmeric 16,695 bags.

Decrease.—Twist 2,670 bales, cement 8,557 casks, groundnuts 1,770 bags, iron 1,998 tons, piece-goods 1,210 packages, poonac 4,891 bags, rice 8,653 bags, redwood 689 tons, tamarind 3,313 bundles.

8. The Madras Railway has imported 23,815 packages more than in the corresponding period in 1892 and the South Indian Railway 4,416 packages less.

9. The variations in imports and exports have on the whole effected the cash collections favorably.

It will be observed from the statement printed at pages 6 and 7 that imports upon the beach and pier show an *increase* of Rs. 12,521, exports Rs. 7,226; cranage has also increased Rs. 8,664.

10. There is a reduction of Rs. 45,000 in the amount received from Government from Port funds.

11. The items of expenditure have been kept well below the corresponding period in the previous year.

12. On the 31st December the Trust had at credit in the Madras Bank Rs. 28,813 cash, and deposited there for safe custody Rs. 10,45,000 4 per cent. Government promissory notes par value, the net cost of which amounted to Rs. 10,50,289. The market value of this paper at Rs. 105, the then current rate, was Rs. 10,97,250, or about Rs. 47,000 more than it had cost.

13. But little progress was made upon the pier heads of the harbour walls during the quarter. Dredging the base at the pier heads took up most of the little time available for work.

14. Unsettled weather necessitated the titan cranes being withdrawn two days earlier than usual, and the Christmas holidays intervened at the end of December.

15. The progress recorded is only 5 feet 4½ inches at the north pier. A similar addition would have been made at the south pier, but that the lewises broke, when a block was being lowered into position, and nothing further could be done until this block was removed, which was found impossible up to the end of the quarter.

16. A cyclone of moderate force was experienced on the 4th and 5th November, but did no damage to the walls of the harbour, although a portion of the temporary work at the north pier head had been left unprotected by the wavebreaker screen; a few of these random blocks rolled forward on to the base, but they have since been secured and removed. The sea inside the harbour during the cyclone was comparatively smooth; catamarans and boats could get about without much difficulty. A few cargo lighters of 10 to 12 tons capacity each broke from their moorings and came ashore, owing more to the defective condition of their chains and anchors rather than o the sea caused by the cyclone. One lighter, heavily laden with rails, sunk and broke up, the others were but little injured and have all since been repaired.

17. The British India Steamer *Camorta*, the only ship in harbour, was unmoored and piloted to sea by Mr. Corfield, Senior Harbour Master, at the commencement of the cyclone, and the Captain, on his return to port, expressed to the Deputy Conservator his appreciation of the able and seamanlike manner in which his ship had been handled under difficult and trying circumstances.

18. The protective rubble revetment north of the harbour did not sustain much damage from the cyclone, a slight settlement at one place only being observed.

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19. The erosion to the north of the extended revetment was filled in by the cyclone, cut away again in part owing to a heavy sea from the south-east at the termination of the storm, and by the end of December high-water mark had advanced seaward and recovered foreshore to the extent of 190 feet, thus removing all present danger of further erosion at this point, until the current brought by next south-west monsoon, which sets to the north up the coast, has again, assisted by the surf-waves, attacked the end of the revetment and again eroded the beach. It is to be observed that so far the erosion of unprotected foreshore at the greater distance from the harbour appears to be on a smaller scale than was the case when the protecting revetment ended further south.

20. The foreshore south of the harbour has receded as is usual during the north-east monsoon, but the erosion this year has been greater than for some years past. The Board's Engineer reports that this may be the commencement of a complete change in the whole coast line; but I would observe, on the other hand, it may be due merely to a greater eroding force—the cyclone—being brought to bear upon the unprotected sandy foreshore than it has been subjected to of late years, during which there not only have been no cyclones, but the force of the north-east monsoons themselves has been below that ordinarily experienced. Whatever may be the cause of the exceptional extent of the erosion south of the harbour during the quarter under review, the extent of sand accreted to the south is now so extensive that ample warning must be given before the Government buildings and Mercantile offices along the beach are in any way endangered.

21. It may here be remarked that when erecting the two 10 and 5 ton cranes opposite the Old High Court buildings some years ago, the rubble of Dellaviland's sea wall, referred to in the Engineer's report, was found intact at that spot.

22. The Engineer has recorded his opinion, based on soundings taken, that there has been no silting inside of the harbour, but merely a slight accumulation of sand, which has found its way in through crevices in the south arm, at whatever point surf action held the sand in suspension, as the foreshore advanced or receded, according to the direction of the monsoon. This has formed a bank alongside the south arm inside of the harbour, and so long as this does not in the future assume too great dimensions, it is a question whether it is not rather an advantage than otherwise tending to strengthen and support the south wall. If at any time it is considered that this bank threatens to encroach unduly upon the anchorage area within the harbour, there should be little, if any, difficulty in either dredging or removing it with a sand-pump.

23. The Deputy Port Conservator does not concur in the Engineer's opinion. The question whether the harbour has or has not silted is still under inquiry and is receiving the careful attention of the Trustees.

ENCLOSURES.

STATEMENT of Receipts and Charges from 1st April to 31st December 1893.

		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Opening balance—										
Government securities (par value Rs. 8,00,000)	... ...				7,93,157	0	10			
1. Cash in the Bank of Madras	...	3,71,724	13	1						
2. General cash in office	...	469	14	8						
3. Advance for contingencies	...	500	0	0						
					3,72,694	11	9			
								11,65,851	12	7

Receipts.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
I. Contribution from Port funds ...	...			...			20,000	0	0
II. Beach imports: dues under section 45 (*a*) I (i) (ii) (iii)	1,12,005	6	1						
Pier do. do. do. ...	44,710	10	8						
Beach exports: do. do. ...	22,172	13	4						
Pier do. do. do. ...	32,840	7	3						
Wharfage: do. do. II	5,280	0	0						
Cranage: do. do. III	30,210	13	2						
Storage: do. do. IV	1,779	5	8						
Demurrage: do. do. V	...								
Dues for entry of vehicles under section 45 (*c*) VI	9,197	7	0						
Provisions: dues on, under section 45 (*a*) I (i)	434	0	6						
Rent of properties	851	15	3						
Water: charge for, delivered at pier head	3,188	4	0						
Penalties under section 84	...								
Sundries	2,369	7	0						
				2,65,040	0	11			
III. Porterage under sec. 45 (*a*) I (iv)—									
Beach	44,527	11	2						
Pier	24,350	14	6						
Miscellaneous	1,406	0	9						
				70,284	10	5			
IV. Interest realized on Government of India 4 per cent. promissory notes							3,35,325	4	4
Law charges recovered by the Trust in the High Court suit brought by the Trustees of Patcheappah's Charities	...			...			20,565	0	3
Amount refunded from Construction funds in repayment of advances made from time to time from Revenue from 1st April to 31st December 1893	...			...			1,937	9	0
				...			92,000	0	0
Total ...	...			...			16,35,679	10	2

Charges.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
I. Interest (under section 30) ...	...			2,18,477	13	7			
II. Repayment of loan for construction of harbour under section 31 ...	...			1,00,000	0	0			
							3,18,477	13	7
III. Refunds	...			1,703	14	5			
IV. Establishment, &c.—									
1. Chairman's salary	3,600	0	0						
2. Secretary's do.	8,500	4	9						
3. Correspondence department ...	2,781	4	0						
4. Accounts department ...	4,698	15	1						
5. Cash department	3,357	9	8						
6. Traffic department (Shore staff).	19,084	4	7						
7. Preventive service	9,089	6	0						
8. Do. boatmen ...	875	13	4						
9. Exchange compensation allowance	...								
10. Contribution to Government for pensions	369	0	4						
11. Contribution to Provident fund.	73	12	5						
12. Fees to Trustees	4,860	0	0						
				57,290	6	2			

Charges—cont.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
V. Contingencies—									
(*a*) Subject to regular audit—									
Postage	81	9	10						
Receipt stamps	145	5	0						
Telegrams	8	1	0						
Furniture	210	8	0						
Fees for audit	...								
Law charges	1,222	14	0						
Stationery and printing ...	1,395	12	4						
Advertisement charges ...	393	0	0						
Uniform for Preventive service, &c.	1,318	8	0						
				4,775	10	2			
(*b*) Admissible without detailed audit—									
Overtime fees to establishment.	3,447	9	8						
Do. to Preventive service and boatmen ...	2,102	12	0						
Miscellaneous	4,798	1	11						
				10,348	7	7			
VI. Petty construction and repairs—									
New works	60	14	6						
Repairs	9,245	8	8						
Tools and plant	711	3	6						
				10,017	10	8			
							84,136	1	0
VII. Porterage—									
1. Coolies, Beach	30,142	10	7						
2. Do. Pier	11,117	14	11						
3. Do. Custom-house	7,157	14	5						
4. Madras Railway Company ...	274	1	0						
5. South Indian Railway Company.	69	9	8						
6. Coasting cargo	813	10	9						
7. Boat hire	6	0	0						
8. Engine charges	862	3	10						
9. Steam crane charges	1,554	0	5						
10. Refunds	656	3	5						
11. Claims for losses and damage ...	318	8	10						
12. Provident fund—									
Deductions from coolies' wages	331	4	0						
Contributions by the Trust ...	674	4	6						
				53,978	6	4			
VIII. Contingencies—									
(*a*) Subject to regular audit—									
Postage									
Receipt stamps	11	7	6						
Telegrams	...								
Furniture	106	8	0						
Tarpaulins	1,400	13	0						
Law charges	...								
Stationery and printing ...	390	2	1						
Advertisement charges ...	...								
Lighting pier and yards ...	1,245	13	3						
				3,154	11	4			
(*b*) Admissible without detailed audit—									
Miscellaneous	...			2,048	15	2			
							59,182	0	10
XI. Advances to construction account ...	...			...			92,000	0	0
Total Expenditure ...	...			...			5,53,795	15	5
Balance on the 31st December 1893—									
Government securities (par value Rs. 10,45,000)	...			10,50,288	10	10			
Cash in the Bank of Madras ...	28,813	1	7						
General cash in office	2,281	14	4						
Advance for contingencies	500	0	0						
				31,594	15	11			
							10,81,883	10	9
Total ...	...			...			16,35,679	10	2

MADRAS,
15th January 1894.

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 1892 and 1893.

Items.	Actuals from 1st April to 31st Dec. 1892.	Actuals from 1st April to 31st Dec. 1893.	Plus or Minus.
Revenue Account.	RS.	RS.	RS.
Opening balance	11,45,648	11,65,852	+ 20,204
Receipts.			
Contribution from Port funds	65,000	20,000	— 45,000
Beach imports: dues under sec. 45 (*a*) (i) (ii) (iii).	1,00,018	1,12,005	+ 11,987
Pier do. do. do. ...	44,177	44,711	+ 534
Beach exports: do. do. ...	15,730	22,173	+ 6,443
Pier do. do. do. ...	31,987	32,841	+ 853
Wharfage: do. II ...	5,376	5,280	— 96
Cranage: do. III ...	21,547	30,211	+ 8,664
Storage: do. IV ...	1,533	1,779	+ 246
Demurrage: do. V ...	...	...	...
Dues for entry of vehicles under sec. 45 (*c*) VI ...	6,746	9,197	+ 2,451
Provisions: dues on, under sec. 45 (*e*) I (i) ...	455	434	— 21
Rent of properties	1,030	852	— 178
Water: charge for, delivered at pier head ...	2,741	3,188	+ 447
Penalties under section 84	...	...	...
Sundries	1,017	4,307	+ 3,290
Porterage under Section 45 (a) I (ix).			
Beach	37,823	44,528	+ 6,705
Pier	23,279	24,351	+ 1,072
Miscellaneous	2,551	1,406	— 1,145
Interest realised on Government of India 4 per cent. promissory notes.	16,236	20,565	+ 4,329
Total ...	3,77,247	3,77,828	...
Total including the opening balance ...	15,22,895	15,43,680	...
Charges.			
Interest paid to Government under section 30 ...	1,87,039	2,18,478	+ 31,439
Repayment of loan for construction of harbour under section 31	1,00,000	1,00,000	...
Refunds	2,324	1,704	— 620
Establishment.			
Chairman's salary	4,000	3,600	— 400
Secretary's do.	7,750	8,500	+ 750
Correspondence department	2,910	2,781	— 129
Accounts department	5,085	4,699	— 386
Cash department	3,368	3,358	— 10
Traffic department (Shore staff)	21,042	19,084	— 1,958
Preventive service	10,353	9,089	— 1,264
Do. boatmen	970	876	— 94
Exchange compensation allowance	...	...	...
Contribution to Government for pensions ...	536	369	— 167
Do. to Provident fund	86	74	— 12
Fees to Trustees	4,650	4,860	+ 210
Contingencies.			
(*a*) Subject to regular audit—			
Postage	48	82	+ 34
Receipt stamps	138	145	+ 7
Telegrams	...	8	+ 8

* Includes Rs. 1,238 law charges recovered from the Trustees of Patcheappah's Charities.

Comparative statement of receipts and charges of the Madras Harbour Trust, &c.—*cont.*

Items.	Actuals from 1st April to 31st Dec. 1892.	Actuals from 1st April to 31st Dec. 1893.	Plus or Minus.
Contingencies—cont.	RS.	RS.	RS.
(*a*) Subject to regular audit—*cont.*			
Furniture	457	210	— 247
Fees for audit	...	...	...
Law charges	87	1,223	+ 1,136
Stationery and printing	2,052	1,396	— 656
Advertisement charges	2	393	+ 391
Uniform for Preventive service, &c.	1,392	1,318	— 74
(*b*) Admissible without detailed audit—			
Overtime fees to establishment	3,032	3,448	+ 416
Do to Preventive service and boatmen	2,055	2,103	+ 48
Miscellaneous	3,027	4,798	+ 1,771
Petty Construction and Repairs.			
New works	10,854	61	— 10,793
Repairs	14,176	9,246	— 4,930
Tools and plant	...	711	+ 711
Porterage.			
Coolies, Beach	24,176	30,143	+ 5,967
Do. Pier	9,517	11,118	+ 1,601
Do. Custom-house	6,908	7,158	+ 250
Madras Railway Company	588	274	— 314
South Indian Railway Company	178	70	— 108
Coasting cargo	680	814	+ 134
Boat-hire	1,420	6	— 1,414
Engine charges	1,260	862	— 398
Steam crane charges	2,075	1,554	— 521
Refunds	442	656	+ 214
Claims for losses and damage	575	319	— 256
Provident Fund	...	...	...
Deductions from coolies' wages	...	331	+ 331
Contribution by the Trust	741	674	— 67
Contingencies.			
(*a*) Subject to regular audit—			
Postage	...	...	...
Receipt stamps	9	11	+ 2
Telegrams	...	...	...
Furniture	...	106	+ 70
Tarpaulins	152	1,401	+ 1,249
Law charges	26	...	— 26
Stationery and printing	412	390	— 22
Advertisement charges	...	...	...
Lighting pier and yards	1,180	1,246	+ 66
(*b*) Admissible without detailed audit—			
Miscellaneous	1,428	2,049	+ 621
Total ...	4,39,186	4,61,796	...

(Signed) H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

REPORT of Progress on the Madras Harbour Works for the quarter ending 31st December 1893.

Accompanying this report are the following plans and statements:—

No. 34 (*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.

The positions of the high water marks of the 31st December 1893 and that of the previous twelve months, both to the north of the revetment and the south of the harbour, are shown for comparison.

No. 34 (*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 piers of the harbour, with an eastern entrance of 520 feet.

No. 35 (*c*).—A statement comparing the expenditure on different sub-heads of work up to the end of the quarter with the provisions of the sanctioned estimate.

No. 35 (*d*).—A statement showing work done under different sub-heads and particulars of cement received and issued.

2. The various heads of work, &c., throughout the Harbour works are reported on as follows.

3. *General.*—The quarter under review—October, November and December—is one in which the least work at sea is possible owing to the setting in of the north-east monsoon from 15th October by which date all the titan cranes should be withdrawn to shore for security; but owing to the weather looking suspicious earlier than usual, the cranes were hurried on shore on the 13th October 1893.

4. *North Pier superstructure.*—Under these circumstances, the total available working days at the north pier in the quarter were reduced to nine working days' when the crane was able to work at dredging and block setting; and in this short time a depth of 9 feet of rubble base was dredged and 24 superstructure blocks were set, completing the last of the six temporary courses and adding a length of 5′ 4½″ of pier work built, which brought up the total length of the north pier to 3,796′ 3″ inclusive of the six temporary courses to be raised next quarter.

5. On shore, all attention was turned to fitting the all-round titan crane with the four new solid steel travelling wheels, and I am happy to report the work was completed during the quarter and the crane again in working order.

6. The caisson for the north 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 the No. 7 pulsometer provided for the purpose.

7. 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 Monday the 15th January the caisson was successfully launched through the surf and towed to the north arm, where it will be charged with concrete and built to the full height of 53 feet and set in position early in March or as soon as the work at the pier head can be made ready to receive it which is now solely dependent upon the quietness of the sea during February and March.

8. *Wave-breaker.*—The portion of the temporary work at the pier head reported left unprotected during the monsoon, and although it had to stand a fairly heavy sea, did not move and no damage was done; a few of the wave-breaker blocks, due to the great depth at this point rolled forward, and beyond the trouble and delay of a few days' work in slinging [illegible] the preparations so far made for receiving the caisson have remained [illegible], which all tend towards the successful [illegible] of the caisson if the sea will remain calm.

9. *South Pier.*—At the south pier fair progress was made during the 10 working days available in the quarter, and all dredging down to the required depth was completed and two of the lower blocks set in position, when for the first time since the works started, and for some unknown reason, both the lewises lowering the third bottom block parted, dropping the block out of position and blocking up the lewis holes, so that new lewises could not be used. This accident stopped all further work for the season, or 12 hours later the course would have been brought up above water level and an advance of 5′ 4½″ recorded, instead of which no advance of permanent work can be recorded until this block is secured and set aright next season, which was impossible for want of time and rough sea at the close of the quarter ending 31st December 1893.

10. *Protective works north of Harbour.*—The line of revetment to the north of the harbour has shown slight further settlement near Carlton House, and at the extreme north end of the new revetment the bank of stone has flattened out. The bay forming up to the end of October suddenly ceased further scouring and by the end of December 1893 had again accumulated sand, carrying the high water mark 190′ eastwards earlier than usual, which has put all threatened land and cultivation clear of danger by erosion until next September.

11. *Foreshore south of Harbour.*—The threatened rapid advance of sand outside the south arm has this quarter shown a marked change on former records and as compared with the total advance made during the 12 months ending September 1893, which advance measured 120′.

12. The high water mark has since receded 180′ near the pier and 200 feet a short distance from the arm, and this may be the commencement of a complete change in the whole coast line about to take place as it did many years ago when the high water mark advanced for years, and then for no known reason steadily encroached again upon Madras until DeHavilland's wall had to be built, which was the means of saving the beach road and its buildings.

13. *Sea bottom within the Harbour.*—The soundings taken within the harbour show no change due to silt, but the sand, which found its way through the south arm in past years, has been thrown up, which has advanced the high water mark. This action has apparently now ceased with the reconstructed piers and there is now only a general shifting of sand from side to side of the harbour according to the monsoon, only advancing and receding the high water mark at each side of the harbour.

For instance, in the quarter under review, due to the north-east monsoon, the high water line at the south half of the harbour has receded 100 feet from June to December 1893, while at the north half the high water line has advanced 25 feet and further since, and from observations I have made from time to time, this movement takes place as far down as 2 and 2½ fathoms but is not permanent.

14. *Summary of Progress.*—The following is the summary of the progress made in the harbour works during the quarter under review:—

PROGRESS STATEMENT No. 35. (*d*).

MADRAS HARBOUR WORKS.

STATEMENT showing progress during quarter ending 31st December 1893 as shown on accompanying tracings No. 34 (*a*) and 34 (*b*).

NOTE.—The figures in block type denote for comparison progress and quantity of work done in the quarter ending 31st December 1892.

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier. Rubble base.	North Pier. Superstructure.	North Pier. Wave-breaker.	North Pier. Concrete capping.	North Pier. Base protection.	South Pier. Rubble base.	South Pier. Superstructure.	South Pier. Wave-breaker.	South Pier. Concrete capping.	South Pier. Base protection.	Pallavaram quarries out-turn.	Concrete block-making.	Railway Lines. At works.	Railway Lines. At quarries.	Railway Lines. Sand line.	Railway Lines. Beach improvements.	Protective works.	Total expenditure during the quarter.
		Column.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Rubble stone deposited from boats ..	Tons.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Do. do. from wagons ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Total quantity rubble stone received on works	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Do. blasted chips do. ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	Do. Large stones do. ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Concrete blocks—set by divers ..	No.	..	23 24	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
7	Do. deposited in wave-breaker.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	Do. made for superstructure ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	Do. do. wave-breaker.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	Wrought iron cramp fixed in position..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	Total outturn of concrete	C. yds.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	Advance or progress of completed superstructure	Ry. ft.	..	5-4½" 5-4¼"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	Rubble base protected with concrete ..	,,	..	..	..	..	48 125	..	..	..	..	..	..	..	..	..	..	..	..	..
14	Metre gauge, 40 lb. per yard, laid new.	,,	..	..	..	..	..	..	..	..	..	..	1,042	..	..	..	..	..	..	..
15	Do. do. relaid or renewed.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Do. do. taken up.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	Broad gauge, 50 lb. per yard, laid new.	,,	..	..	..	..	..	..	..	..	..	..	3,266	..	..	..	..	..	..	..
18	Do. do. relaid or renewed.	,,	..	802	..	..	..	..	1,250	..	..	..	..	..	..	..	..	..	..	..
19	Do. do. taken up ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	Titan gauge, 75 lb. per yard, laid new.	,,	..	415	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	Do. do. relaid or renewed.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	Do. do. taken up ..	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of work	Rs.	..	22,672	..	..	641	..	9,120	..	..	..	3,665	..	..	..	..	..	..	63,098

		TONS.	CWT.	QR.	LB.
Nil casks of cement received on works during quarter ending 31st Dec. 1893, containing	..		*Nil.*		
144¼ do. issued for do. do. do.		25	15	1	27
3,620 do. balance in store at end of do. do. do.		1,538	13	0	6

Quantity due on Indents. TONS. CWT. QR. LB. *Nil.*

MADRAS,
31st January 1894.

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

15. *Miscellaneous.*—During the quarter the erection of the Marine Police boat station and stables for the Deputy Commissioner of Police were proceeded with and nearly completed at the close of the quarter.

16. The re-alignment of the Beach line for the Tramway Company was well in hand, and as soon as the platelayer gangs and other labour can be taken of the caisson work, the ground proposed to be given up to the Tramway Company can be made over.

17. The usual repairs and upkeep of all machinery, cranes, railway lines, &c., for the Traffic Department was continued, and no accidents of any nature occurred during the quarter.

MEMORANDUM to accompany statement of progress for the quarter ending 31st December 1893.

	RS.
1. Estimated sum required to complete the works at the commencement of the quarter except establishment, tools and plant and contingent charges	5,12,476
2. Cost of work done during the quarter	36,098
	4,76,378
3. Estimated cost of additional works found necessary during the quarter	...
4. Estimated cost of completing the works from and after the end of quarter	4,76,378

MADRAS,
31st January 1894.

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

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COMPARISON of expenditure to date with sanctioned estimate for the quarter ending 31st December 1893.

Sub-head of work.	As per estimate sanctioned in Secretary of State's despatch No. 1, dated 7th January 1892.					As executed.					Arrears not paid.	Value of work done up to date, columns 11 and 12.
	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure. Total up to end of last quarter.	Expenditure. During the quarter.	Expenditure. Up to date.		
1	2	3	4	5	6	7	8	9	10	11	12	13
Expenditure up to 31st Dec. 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 ..	..	..	..	..	55,54,490	..	..	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 0 11	..	5,892 0 11	..	5,892 0 11
North Pier.					5,892							
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. Ordinary rubble deposited from boats .. .. „	205,896	2 0 5	„	4,19,218		208,362	2 1 5	4,31,285 13 3	..	4,31,285 13 3	4,085 7 2	4,35,371 4 5
7. Concrete blocks for building .. .. C. yds.	51,320	11 8 0	C.yd	5,90,110		51,144	12 0 4	6,09,693 3 2	5,045 11 10	6,14,738 15 0	..	6,14,738 15 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. Setting blocks from 2,200 to 3,600 feet .. .. „	36,520	2 14 3	„	1,05,569		36,447	3 1 3	1,12,056 14 8	..	1,12,056 14 8	..	1,12,056 14 8
10. Setting blocks at pier-head „	12,185	9 8 11	„	1,16,424		12,112	10 6 3	1,08,927 7 1	14,479 13 8	1,23,408 4 9	2,441 14 9	1,25,850 3 6
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. Wavebreaker concrete blocks .. .. „	77,355	10 14 11	..	8,45,591		67,419	11 6 8	7,69,572 7 8	..	7,69,572 7 8	..	7,69,572 7 8
14. Depositing concrete blocks „	77,932	1 0 0	„	77,929		68,613	1 0 4	68,663 8 3	750 1 5	69,413 9 8	175 9 8	69,679 3 4
15. Concrete in protection to rubble base .. .. „	1,986	10 4 1	„	20,358		1,229	16 14 9	20,150 1 7	642 15 5	20,793 1 0	..	20,793 1 0
16. Cramps, iron .. .. No.	331	9 10 1	Each.	3,188		313	7 11 10	2,422 0 2	..	2,422 0 2	..	2,422 0 2
17. Concrete capping .. C. yds.	16,352	11 3 10	C.yd.	1,83,798		573	19 14 11	11,421 11 7	..	11,421 11 7	..	11,421 11 7
18. Cost of north pier caisson and setting in position and filling same as items 26, 27, 33 and 34 .. „	..	..	..	34,750								
Total for North Pier ..	..	..	..	..	24,30,607	..	..	21,02,268 9 9	27,139 13 7	22,19,398 7 4	10,376 4 1	22,29,774 11 5

Sub-head of work.	As per estimate sanctioned in Secretary of State's despatch No. 1, dated 7th January 1892.					As executed.					Arrears not paid.	Value of work done up to date, columns 11 and 12.
	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure. Total up to end of last quarter.	Expenditure. During the quarter.	Expenditure. Up to date.		
1	2	3	4	5	6	7	8	9	10	11	12	13
South Pier.												
19. Ordinary rubble deposited from boats .. Tons.	175,078	2 9 0	Ton.	4,49,052		170,774	2 9 10	4,41,668 9 0	..	4,41,668 9 0	4,925 14 8	4,46,594 7 8
20. Large rubble 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.	45,060	11 3 1	C.yd.	5,04,510		41,833	11 6 1	4,77,372 13 2	..	4,77,372 13 2	..	4,77,372 13 2
22. Setting blocks at commencement .. „	2,556	3 1 6	„	7,912		2,555	3 1 6	7,911 13 3	..	7,911 13 3	..	7,911 13 3
23. Setting blocks from 2,550 to 3,700 feet .. „	30,160	3 7 11	„	1,05,461		30,180	3 9 8	1,08,704 9 4	..	1,08,704 9 4	..	1,08,704 9 4
24. Setting blocks at pier-head .. .. „	12,350	11 1 3	„	1,36,845		9,166	15 11 5	1,32,417 7 7	9,252 4 0	1,41,669 11 7	2,349 9 3	1,44,019 4 10
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. Concrete in cylindrical pier-head .. „	2,355	15 0 0	„	35,325		..	..	2,685 5 0	443 4 7	3,128 9 7	698 4 4	3,826 13 11
27. Concrete in filling in between coursed blockwork and caisson .. „	184	15 0 0	„	2,760		..	..	..	..	..	..	..
28. Wavebreaker concrete blocks .. .. „	47,231	11 1 6	„	5,24,070		39,492	11 7 2	4,45,911 7 1	..	4,45,911 7 1	..	4,45,911 7 1
29. Depositing concrete blocks .. .. „	47,714	1 5 8	„	64,702		39,975	1 5 6	55,147 0 2	750 1 2	55,897 1 4	166 1 10	56,063 3 2
30. Concrete in protection to rubble base .. „	1,760	9 10 6	„	16,420		1,168	13 7 8	14,932 9 1	..	14,932 9 1	..	14,932 9 1
31. Cramps, iron .. No.	252	11 7 7	Each.	2,972		226	10 10 7	2,334 0 11	11 7 7	2,345 8 6	..	2,345 8 6
32. Concrete capping .. C. yds.	16,247	11 5 8	C.yd.	1,84,185		669	21 2 4	14,146 0 4	..	14,146 0 4	..	14,146 0 4
33. Iron caisson .. .. No.	1	..	..	18,000		..	..	21,750 6 1	..	21,750 6 1	..	21,750 6 1
34. Preparing base for and setting cylindrical pier-head .. .. „	..	..	..	28,655								
Total for South Pier ..	..	..	..	..	24,00,826	..	..	17,44,612 12 4	10,457 1 4	17,55,069 13 8	8,139 14 1	17,63,209 11 9
Extending the Rubble Revetment protecting the Foreshore north of Harbour.												
35. Rubble stone revetment. Tons.	70,600	2 1 0	Ton.	1,45,613		99,169	1 8 5	1,38,907 2 7	..	1,38,907 2 7	99 8 0	1,39,006 10 7
36. Railway lines	..	..	..	9,849		..	..	10,914 10 10	..	10,914 10 10	..	10,914 10 10
Total ..	..	..	..	..	1,55,462	..	..	1,49,821 13 5	..	1,49,821 13 5	99 8 0	1,49,921 5 5
37. Tools and plant	..	..	..	..	6,11,656			6,48,968 5 8	6,861 10 0	6,55,830 3 2	305 8 2	6,56,135 11 4
38. Contingencies	..	..	..	..	2,17,415			1,90,353 14 10	3,422 10 11	1,93,781 9 9	276 4 9	1,94,057 14 6
39. Establishment	..	..	..	..	5,34,869			5,39,554 14 7	11,446 0 5	5,51,000 15 0	..	5,51,000 15 0
40. Materials at site (concrete blocks in yards). C. yds.	..	..	..	..	..	5,992	14 6 5	87,079 3 7	– 5,045 11 10	82,033 7 9	4,243 5 1	86,276 12 10

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Comparison of expenditure to date with sanctioned estimate for the quarter ending 31st December 1893—*cont.*

Subhead of work.	As per estimate sanctioned in Secretary of State's despatch No. 1, dated 7th January 1892.				Expenditure.			Arrears not paid.	Value of work done up to date, columns 11 and 12.
	Quantity.	Rate.	Per.	Cost.	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
Extending the Pebble Breakwater protecting the Foreshore north of Harbour—cont.		Rs. A. P.		Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
41. Advances to work-people	..	..	..	..	..	..	..	..	..	..	..	..
Total of estimate and value of work done	..	..	..	..	61,06,027	55,58,381 1 3	34 3 2	55,58,381 1 3	23,440 12 2	55,58,381 1 3	34 3 2	55,58,381 1 3
Deduct probable recoveries due to sale of tools and plant ..	..	..	..	..	2,77,331	— 74,066 8 1	..	— 74,066 8 1	..	— 74,066 8 1	..	— 74,066 8 1
Total ..	..	..	..	..	58,28,696	54,84,316 9 2	34 3 2	54,84,316 9 2	23,440 12 2	54,84,316 9 2	34 3 2	54,84,316 9 2
Total of revised estimate sanctioned in Secretary of State's despatch *plus* expenditure before 31st Dec. 1894	..	..	..	..	1,26,32,386	1,20,69,006 8 0	..	64,166 13 0	1,20,92,172 5 0	23,440 12 2	1,21,16,613 1 2	1,20,92,172 5 0
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	..	..	..	..	1,26,32,386	1,20,69,172	..	64,166 13 0	1,20,92,172 5 0	..	..	..
Deduct total expenditure as per column 11	..	..	..	..	1,20,92,172	1,20,69,172	..	..	..	..	..	..
Total estimated cost of completing work after quarter ending ..	..	..	..	..	2,00,214	..	..	..	..	..	..	..

Expenditure up to 31st March 1893 from commencement of works .. Rs. 1,19,38,839 4 6
Do during current official year from 1st April 1893 to 31st December 1893 .. 1,54,333 0 6 Grant for 1893-94, Rs. 2,70,000
Total outlay to 31st December 1893 .. 1,20,93,172 5 0

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

MADRAS,
8th February 1894.

I.—Statement of goods imported from Foreign Ports.

——	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
Apparel and effects.	Packages ..	795	273	1,068	258	465	723	— 72
Alum	Barrels ..	584	102	686	852	48	950	+ 316
Asphalte, tar and pitch	Casks ..	1,901	428	2,329	1,619	330	1,949	+ 48
Acids	Cases ..	1,232	176	1,408	1,185	262	1,447	+ 215
Arms and guns ..	,, ..	1,199	12	221	162	52	214	+ 15
Arrack	Casks ..	705	128	833	546	258	804	+ 99
Blankets ..	Bales ..	163	5	168	9	15	24	— 139
Beef and pork ..	Cases ..	..	..	..	..	..	..	..
Bricks	100 ..	401	150	551	1,550	..	1,550	+ 1,149
Beer	Cases ..	6,395	2,315	8,710	3,544	1,614	5,158	+ 1,237
	Barrels ..	1,210	497	1,707	487	574	1,061	+ 149
	Hogsheads ..	6,255	1,985	8,210	2,309	1,648	3,957	+ 2,298
Boiler	No. ..	23	9	32	27	16	43	+ 20
Corks	Bundles ..	45	27	72	16	3	19	+ 26
Canvas	Bales ..	131	62	193	455	17	472	+ 341
Candles	Cases ..	24,742	6,275	31,017	13,681	7,168	20,849	+ 3,893
Colours	,, ..	2,789	497	3,286	1,658	772	2,430	+ 859
Confectionery, provisions and oilmanstores ..	,, ..	17,821	4,468	22,129	9,653	6,378	16,031	— 1,090
Crockery and glassware.	Crates and casks ..	2,645	1,172	3,817	2,828	1,471	4,299	+ 1,654
Chalk	Barrels ..	90	50	140	10	15	25	— 65
Cement	Casks ..	6,713	656	7,369	4,069	2,899	6,968	+ 255
Cast-iron pipes and tubes	Tons ..	1,181	255	1,436	712	114	826	— 355
Camphor ..	Tubs ..	3,290	1,059	4,349	2,987	1,079	4,066	+ 776
Coal	Tons ..	39,042	10,466	49,508	42,486	2,886	45,372	+ 6,330
Coke	,, ..	741	637	778	540	100	640	— 101
Fuel	,, ..	..	2,953	2,953	..	..	..	..
Crackers	Cases ..	839	1	840	..	325	325	— 514
Copper-plates and rolls	No. ..	344	177	521	2,708	3,833	6,541	+ 6,197
Corrugated iron ..	Packages ..	1,837	676	2,512	290	1,009	1,299	— 533
Dynamite ..	Cases ..	3,935	4,100	8,035	3,344	3,584	6,928	+ 2,993
Earthenware ..	Crates ..	1,516	370	1,886	917	363	1,280	— 236
Fire clay ..	Casks ..	204	68	272	60	..	60	— 144
Flour	Bags and barrels ..	742	79	821	583	194	777	+ 35
Flannel	Bales ..	21	9	30	25	28	53	+ 32
Gunpowder ..	Packages ..	4,095	1,892	5,987	3,105	100	3,205	— 890
Harmonium ..	Cases ..	17	10	27	19	5	24	+ 7
Hardware ..	,, and casks ..	4,305	2,478	6,783	4,322	2,063	6,385	+ 2,080
Hops	Packages ..	44	20	64	31	22	53	+ 9
Iron	Tons ..	13,730	4,199	17,929	11,544	2,880	14,424	+ 694
Iron safes ..	No. ..	136	14	150	52	19	71	— 65
Kerosine-oil ..	Cases ..	1,36,599	114,421	251,320	164,116	18,900	1,83,016	+ 46,117
	Tons ..	..	3,361	3,361	1,518	1,548	3,066	+ 3,066
Lime-water ..	,, ..	..	..	..	..	..	..	..
Malt	Bags ..	395	12	407	13	..	13	— 382
Millinery and haberdashery ..	Cases ..	1,236	330	1,566	570	400	970	+ 216
Matches ..	,, ..	6,495	2,630	9,125	4,364	2,249	6,553	+ 58
Machinery ..	Tons ..	2,271	970	3,241	1,506	1,671	3,177	+ 906
Nails	Kegs ..	7,372	3,175	10,547	7,648	3,982	11,630	+ 4,258
Oil and turpentine.	Drums ..	5,948	952	15,500	1,652	1,465	3,117	+ 2,831
Piece-goods.	Cases and bales.	36,803	14,748	51,551	30,002	12,786	42,788	+ 5,985
Twist ..		14,988	3,676	18,664	12,072	4,831	16,903	+ 1,915
Paper	Bales ..	4,006	1,512	5,518	3,769	924	4,693	+ 687
Piano ..	No. ..	81	18	99	57	30	87	+ 6
Printing types ..	Cases ..	659	68	727	166	79	245	+ 414
Pig lead ..	No. ..	917	181	1,098	1,989	94	2,083	+ 166
Paint	Kegs ..	8,625	1,632	10,257	3,384	1,769	5,153	+ 3,472
Rattan	Bundles ..	3,352	2,317	5,669	627	1,066	1,693	+ 1,659
Soaps	Cases ..	522	448	970	1,332	410	1,742	+ 1,220
Salt	,, ..	249	80	329	48	76	124	— 125
Steel	,, and casks ..	1,747	1,596	3,343	568	192	760	— 987
Steel bundles and bars ..	No. ..	6,765	3,636	10,401	6,228	2,194	8,422	+ 1,657
Steel hoop ..	Bundles ..	1,189	408	1,597	4,874	..	4,874	+ 3,685
Shovels ..	,, ..	441	58	499	2	..	2	— 439
Sodawater bottles ..	Crates ..	1,424	844	1,788	846	390	1,237	— 188
Sulphur	Casks ..	435	..	435	225	..	225	— 210
Shot	Kegs ..	21	35	56	87	129	216	+ 195
Sundries ..	Packages ..	23,580	10,026	33,606	28,606	14,388	42,994	+ 19,414

I.—Statement of goods imported from Foreign Ports—*cont.*

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.	
Specie	No. ..	664	224	888	364	171	535	—	129
Sugar	Bags ..	1,012	754	1,193	2,616	50	2,666	+	624
Slates and pencils ..	Cases ..	569	279	848	753	238	971	+	402
Spelter	Cakes ..	5,410	2,376	8,786	6,376	2,868	9,244	+	3,858
Saw	Cases ..	40	8	48	48	16	64	+	24
Twine and rope ..	Bales and coils ..	430	25	455	400	14	414	—	15
Tin plates ..	Boxes ..	2,311	2,328	4,639	3,640	1,194	4,834	+	2,093
	Cases ..	32,746	11,493	44,739	18,235	7,746	25,981	—	6,765
Wine and spirits ..	Casks ..	470	188	658	232	119	351	—	119
	Puncheons ..	495	238	733	417	459	876	+	381
Window glasses ..	Cases ..	7,053	4,937	12,000	9,156	513	9,669	+	2,606
White and red lead ..	Kegs ..	676	275	951	283	261	544	—	132
Yellow metal ..	Cases ..	2,037	1,424	3,461	1,819	495	2,314	+	277
Zinc sheets ..	Packages ..	1,208	482	1,690	558	455	1,013	—	195
Horses	No. ..	636	323	959	313	338	651	+	15
Ponies	,, ..	88	24	112	127	14	141	+	53
Cows	,, ..	11	4	15	3	3	6	—	5
Dogs	,, ..	3	11	14	..	..	..	—	3
Elephants	,, ..	..	7	7	6	..	6	+	6
Two-wheeled carriage	..	3	..	6	2	..	9	+	6

II.—Statement of stores imported by the Madras Railway Company.

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec 1893.	Increase or decrease as compared with corresponding period of last year.	
Stores ..	Packages ..	24,832	42,601	73,434	40,342	6,306	46,648	+	21,815
	Tons ..	499	..	499	6	150	156	—	343
Fuel	,, ..	..	..	..	..	..	..	..	..
Coke	,, ..	141	403	544	628	..	628	+	487
Coal	,, ..	..	300	300	..	..	..	—	684
Timber	,, ..	684	1,399	2,083	..	..	..	—	98
Fire brick ..	100 ..	98	232	330	..	..	..	..	..

III.—Statement of stores imported by the South Indian Railway Company.

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.	
Stores ..	Packages ..	14,860	7,311	22,171	6,538	3,905	10,444	—	4,116
	Tons ..	..	..	..	22	..	22	+	22
Fuel	,, ..	..	..	..	..	..	..	..	..
Coke	,, ..	..	..	..	..	..	..	..	..
Coal	,, ..	..	..	..	..	..	..	..	..
Timber	,, ..	..	..	..	..	..	..	..	..
Boiler	No. ..	5	7	12	10	..	10	+	5

IV.—Statement of goods imported from Coast Ports.

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.	
Apparel and effects.	Packages ..	238	105	343	196	70	266	+	28
Alum	Barrels ..	187	..	187	7	..	7	—	180
Acids	Cases ..	33	92	125	292	47	249	+	216
Animals	No. ..	10	..	10	..	..	..	—	10
Arms and guns ..	Cases ..	10	2	12	4	2	6	—	4
Boilers	No. ..	..	..	..	..	..	..	..	..
Bricks and tiles ..	100 ..	57	..	57	517	70	587	+	530
Coffee	Bags ..	475	120	595	480	33	513	+	43
Candles	Cases ..	..	..	..	2	5	7	+	7
Colours	,, ..	1,406	125	1,531	1,315	115	1,430	+	26
Crockery and glassware	,, ..	291	175	466	202	111	313	+	22
Coal	Tons ..	6,277	7,515	13,792	8,355	7,120	15,475	+	9,198
Cake	,, ..	..	..	..	..	..	..	..	..
Carpets	Bales ..	67	27	94	46	27	73	+	6
Camphor and benjamin	Tubs ..	1,100	206	1,306	344	39	383	—	717
Copra	Bags ..	..	..	..	..	..	..	..	..
Crackers ..	Cases ..	..	..	..	..	..	..	..	..
Copper	,, ..	908	28	936	558	..	558	—	350
Do. ..	Tiles and ingots ..	421	..	421	1,411	769	2,180	+	759
Cutch and lac ..	Packages ..	2,634	557	3,191	2,093	761	2,854	+	220
Cocoanuts ..	No. ..	..	415	415	2,023	..	2,023	+	2,023
Earthenware ..	Crates ..	2,920	21	2,941	390	..	390	—	2,530
Do. ..	Pipes ..	3,525	2,790	6,315	936	14	950	—	2,575
Firewood ..	Tons ..	..	..	..	..	..	..	..	..
Flour	Bags and barrels ..	8,724	2,958	11,682	5,309	2,753	8,744	+	3,857
Gunnies ..	Bales ..	3,562	6,159	9,661	5,308	2,053	7,359	+	34,454
Gram and peas, &c.	Bags ..	295,649	84,496	380,145	128,028	330,103		+	4,277
Garlic	,, ..	1,215	..	1,215	4,027	1,465	5,492		
Hardware ..	Cases ..	523	674	1,197	744	571	1,315	+	792
Hemp	Bundles ..	794	186	980	209	116	325	—	469
Horns	Bales ..	7,795	1,744	9,539	2,664	1,367	4,031	—	3,764
Iron	Tons ..	193	100	293	67	39	106	—	87
Iron-safes ..	No. ..	23	15	38	14	2	16	+	7
Kerosine-oil ..	Cases ..	..	..	..	500	..	500	+	500
Leaves	Bundles ..	3,325	417	3,742	3,919	716	4,635	+	1,310
Liquor	Cases ..	..	..	..	1,185	360	1,545	+	1,545
Machinery ..	Tons ..	58	21	79	16	15	31	—	27
Millinery and haberdashery ..	Cases ..	149	96	245	65	28	93	—	56
Oil and turpentine.	Drums ..	4,240	2,129	6,369	3,464	679	4,143	—	97
Paddy	Bags ..	52,820	23,160	75,980	14,061	46	14,107	—	38,713
Piece-goods ..	Cases and bales ..	3,069	1,687	4,756	2,117	563	2,680	—	389
Paper	Bales ..	3,522	1,576	4,898	3,858	1,115	4,973	+	1,641
Paint	Kegs ..	379	304	683	128	56	184	—	195
Piano	No. ..	9	3	12	2	2	4	—	5
Rice	Bags ..	148,033	57,143	205,176	48,559	33,845	82,404	—	65,629
Rose-water ..	Cases ..	1,550	265	1,815	852	349	1,001	—	549
Seeds	Bags ..	19,541	6,206	25,747	8,959	2,012	10,971	—	8,570
Skins	Bales ..	3,084	1,968	5,052	3,174	1,910	5,084	+	2,000
Silk	,, ..	627	72	699	211	40	251	—	376
Sandalwood ..	Bundles ..	38	83	121	32	2	34	—	4
Sugar	Bags ..	575	291	866	675	248	923	—	348
Specie	No. ..	81	109	190	26	21	47	—	34
Sundries ..	Packages ..	35,814	11,323	47,137	16,671	13,614	30,285	—	5,529
Soap	Cases ..	23	17	40	30	16	46	+	23
Sulphur ..	Casks ..	471	73	544	249	71	320	—	151
Spice	Packages ..	563	177	740	340	247	587	+	24
Sodawater bottles ..	Crates ..	..	..	..	4	228	232	+	232
Twine and rope ..	Bales and coils ..	543	232	775	909	53	987	+	424
Tin plates ..	Boxes ..	685	227	912	462	189	651	—	34
Twist	Bales ..	977	170	1,147	573	292	965	—	12
Turmeric ..	Bags ..	3,078	1,289	4,977	2,821	848	3,669	+	591
Timber	Tons ..	7,220	3,375	10,595	6,921	2,770	9,691	+	2,471
Tea	Cases ..	3,397	14	3,411	37	..	37	—	3,360
Tamarind ..	Bundles ..	..	..	..	72	16	88	+	88
Yellow metal ..	Cases ..	497	46	543	1,074	4	1,078	+	581
Horses	No. ..	8	7	15	..	8	8	..	..
Two-wheeled carriages ..	,, ..	2	2	4	2	1	3	+	1
Four-wheeled carriages	,, ..	..	3	3	5	..	5	+	5

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V.—Statement of goods exported to Foreign Ports.

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
Beer and ale ..	Cases ..	2	..	2	12	Nil.	12	+ 10
	Casks ..	7	..	7	..	..	..	— 7
	Hogsheads ..	..	..	..	..	..	..	..
Cinchona bark ..	Bales ..	469	60	529	300	111	411	— 58
Chillies	Bags and bundles ..	9	..	9	145	301	446	+ 437
Cigars	Cases ..	337	179	516	201	168	369	— 8
Coffee	Bags ..	15,599	13,014	28,613	3,017	791	3,808	— 14,981
Cotton	Bales ..	23,321	2,819	26,140	25,651	16,911	42,562	+ 27,231
Do. twist ..	,, ..	5,206	60	5,266	542	669	1,211	— 3,295
Coriander and omum seeds	Bags ..	1,550	261	1,811	2,001	2,175	5,076	+ 3,556
Carpets	Bales ..	196	52	248	190	59	249	— 19
Coal	Tons ..	325	..	325	185	170	355	— 8
Deer horns ..	Packages ..	1,300	179	1,479	385	182	567	— 523
Explosive ..	Cases ..	1	..	1	..	..	..	— 1
Firewood ..	Tons ..	..	..	..	..	..	..	..
Four-wheeled carriages ..	No. ..	2	..	2	2	1	3	+ 1
Ground-nuts ..	Bags ..	22,805	3,407	26,209	114,060	16,372	130,432	+ 107,630
Gram, peas, &c. ..	,, ..	136	25	161	1,004	35	1,039	+ 1,502
Horns, cow and buffalo ..	Tons ..	22	7	29	13	10	23	+ 1
Hides, tanned ..	Bales and bundles ..	16,694	5,118	21,812	5,310	2,256	7,566	— 9,128
Indigo	Cases and chests ..	18,345	2,583	25,933	7,937	8,028	15,965	— 1,280
Iron	Tons ..	11	..	11	13	..	13	+ 2
Jaggery	Bags ..	20,170	36,493	56,672	48,909	3,760	52,668	+ 32,489
Myrabolams ..	Bags ..	91	..	91	563	..	563	+ 472
Miscellaneous ..	Packages ..	5,727	28,547	10,732	7,188	17,920	—	+ 3,900
Onions ..	Bags and baskets ..	272	10	282	324	144	468	+ 694
Oil	Casks ..	5,617	8,733	5,381	13,714	+ 8,297		
Piece-goods ..	Bales and cases ..	98	193	3	262	+ 165		
Potatoes ..	Bags and baskets ..	2,806	961	3,767	2,789	2,307	5,096	+ 1,329
Poonac	Bags ..	13,891	2,236	16,127	16,641	8,725	25,366	+ 11,475
Piano	No. ..	10	..	10	4	11	15	+ 5
Paddy	Bags ..	5	..	5	22	..	22	+ 7
Rice	,, ..	2,649	689	3,229	8,162	6,367	12,499	+ 3,329
Redwood ..	Tons ..	993	656	1,804	423	8	431	— 568
Seeds, gingelly and castor ..	Bags ..	8,350	4,304	12,654	2,361	383	9,724	+ 1,374
Skins, sheep and goat, tanned ..	Bales ..	24,677	9,386	34,063	13,309	6,157	19,986	— 4,711
Sandalwood ..	Bundles ..	44	295	339	459	239	698	+ 654
Spirits and wine	Cases ..	19	22	41	19	..	19	..
	Casks ..	65	..	65	39	..	39	— 26
	Puncheons ..	..	..	..	..	..	..	..
Sugar	Bags ..	84	77	161	445	409	854	+ 770
Specie	Boxes ..	30	18	48	13	14	27	— 3
Tamarind ..	Bundles ..	3,497	1,834	5,331	710	385	1,095	— 2,402
Turmeric ..	Bags ..	611	330	941	285	322	1,137	+ 526
Tea	Cases ..	1,579	190	1,769	1,060	349	1,409	— 170
Two-wheeled carriages ..	No. ..	..	..	..	..	2	2	+ 2
Wool	Bales ..	1,106	394	1,476	769	185	954	— 152
Yellow metal ..	Tons ..	100	..	100	117	170	287	+ 187

VI.—Statement of goods exported to Coast Ports.

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
Beer and ale ..	Cases ..	225	69	294	156	23	179	— 46
	Casks ..	70	24	94	27	3	30	— 40
	Hogsheads ..	15	26	41	128	9	137	+ 122
Boiler	No. ..	..	..	..	1	..	1	+ 1
Cinchona bark ..	Bales ..	84	..	84	..	..	..	— 84

VI.—Statement of goods exported to Coast Ports—*cont.*

—	Packages.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
Chillies ..	Bags and bundles ..	2,679	237	2,907	4,813	2,970	7,783	+ 5,118
Cigars ..	Cases ..	876	260	1,136	311	217	528	— 348
Coffee ..	Bags ..	1,338	111	1,449	305	53	358	— 980
Cotton ..	Bales ..	2,717	1,528	4,245	5,844	1,000	6,844	+ 4,127
Do. twist ..	,, ..	4,857	1,281	6,138	1,540	647	2,187	— 2,670
Coriander and omum seeds ..	Bags ..	3,125	3,877	7,002	3,180	1,103	4,283	+ 1,158
Cement	Casks ..	8,611	297	8,908	54	..	54	— 8,557
Carpets	Bales ..	39	12	51	23	9	32	— 7
Coal	Tons ..	106	350	456	82	25	107	+ 7
Deer horns ..	Packages ..	101	50	151	49	3	52	— 49
Explosive ..	Cases ..	372	958	1,331	20	12	32	— 341
Eggs	Pots ..	729	396	1,125	414	336	750	+ 21
Firewood ..	Tons ..	..	..	..	..	..	..	..
Four-wheeled carriages ..	No. ..	19	12	31	14	6	20	+ 1
Ground-nuts ..	Bags ..	10,880	6,959	17,839	8,226	884	9,110	— 1,770
Gram, peas, &c. ..	,, ..	686	540	1,226	204	2	206	— 480
Horns, cow and buffalo ..	Tons ..	208	99	307	85	9	94	— 114
Hides	Bales and bundles ..	362	164	526	331	81	412	+ 50
Indigo	Cases and chests ..	616	200	816	708	202	910	+ 294
Iron	Tons ..	2,428	183	2,611	322	108	430	— 1,998
Jaggery	Bags ..	443	1,323	1,448	120	75	195	— 248
Kerosine-oil ..	Cases ..	439	220	659	380	12	592	+ 153
Myrabolams ..	Bags ..	19	272	291	1,087	10	1,097	+ 1,078
Miscellaneous ..	Packages ..	35,595	33,865	69,460	3,726	45,054	+ 9,355	
Onions ..	Bags and baskets ..	33,028	20,378	53,406	21,281	21,363	42,644	+ 9,616
Oil	Casks ..	566	71	637	222	4	226	— 340
Piece-goods ..	Bales & cases.	5,681	2,970	8,651	3,067	1,404	4,471	— 1,210
Potatoes ..	Bags and baskets ..	23,622	766	24,388	11,556	18,532	30,088	+ 6,466
Poonac	Bags ..	13,329	8,852	22,181	8,128	310	8,438	— 4,891
Piano	No. ..	14	2	16	6	6	12	— 2
Paddy	Bags ..	1,550	7,256	8,806	5,100	3,300	8,400	+ 6,850
Rice	,, ..	17,678	14,215	31,893	6,645	2,375	9,020	— 8,658
Redwood ..	Tons ..	693	..	693	2	2	4	— 689
Seeds, gingelly and castor	Bags ..	1,286	4,501	2,787	15,952	1,417	17,369	+ 16,083
Skins, sheep and goat, tanned ..	Bales ..	509	537	1,046	529	147	676	+ 167
Sandalwood ..	Bundles ..	225	31	256	523	2,242	2,765	+ 2,540
Spirits ..	Cases ..	2,050	733	3,783	1,442	826	2,238	— 812
	Casks ..	492	224	716	596	309	905	+ 413
	Puncheons ..	98	91	189	159	51	210	+ 112
Sugar	Bags ..	1,170	249	1,419	318	134	450	— 720
Specie	Boxes ..	479	61	540	25	11	36	— 434
Tamarind ..	Bundles ..	6,319	1,934	8,253	3,006	..	3,006	— 3,313
Turmeric ..	Bags ..	11,731	6,152	17,883	20,503	7,923	28,426	+ 16,695
Tea	Cases ..	47	15	62	24	12	36	— 11
Two-wheeled carriages ..	No. ..	10	6	16	6	2	8	— 2
Wool	Bales ..	455	148	603	267	73	340	— 115
Yellow metal ..	Tons ..	67	..	67	256	..	256	+ 189

VII.—Statement of stores, &c., imported by Government.

Department.	Description.	Class.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
Accountant-General	Specie, silver	Boxes.	470	112	582	174	84	258	— 212
	,, copper	,,	..	710	710	560	..	560	+ 560
	Silver and copper ..	..	..	..	..	..	..	..	..
	Notes ..	,,	10	2	12	..	..	..	..
	Packages ..	No.	1	..	1	..	1	1	— 9

VII.—Statement of stores, &c., imported by Government—*cont.*

Department.	Description.	Class.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
State Railway ..	Packages and pieces ..	No.	..	..	..	..	..	..	..
	Rails ..	,,	..	..	..	..	..	..	..
	Sleepers ..	,,	..	..	..	..	..	..	..
	Bridgeworks.	Tons.	..	..	..	..	..	..	..
	Boilers ..	No.	..	..	..	..	..	..	..
Public Works Department.	Coal ..	Tons.	20	..	20	..	..	..	— 20
	Iron ..	,,	..	..	9	..	..	..	..
	Stores ..	Pkgs.	3,754	1,248	6,494	1,856	8,422	10,278	+ 6,524
	Coal ..	Tons.	..	..	..	..	..	..	..
Ordnance ..	Ammunition.	Boxes.	..	..	..	..	..	..	..
	Stores ..	Pkgs.	7,641	6,812	28,566	16,504	3,421	19,925	+ 12,284
	Cement ..	Casks.	..	..	..	..	..	..	..
Madras Harbour Works.	Stores ..	Pkgs.	..	..	..	..	..	..	..
	Coal ..	Tons.	..	..	..	..	..	..	..
Clothing ..	Packages ..	No.	1,526	391	2,324	753	784	1,537	+ 11
Police	,, ...	,,	156	5	167	124	15	139	— 17
Salt Revenue ..	,, ...	,,	276	11	291	46	28	72	— 204
Post office ..	,, ...	,,	487	282	838	230	195	548	+ 58
Medical	,, ...	,,	489	510	1,007	397	64	1,071	+ 582
Telegraph ..	,, ...	,,	7,060	18,556	24,126	5,151	2,766	7,928	+ 878
Stationery ..	,, ...	,,	418	288	1,197	381	493	874	+ 456
Stamps	,, ...	,,	901	101	1,122	1,449	262	1,711	+ 810
Commissariat ..	,, ...	,,	5,083	1,165	7,420	1,844	274	2,118	+ 2,965
Gazette Press ..	,, ...	,,	134	5	149	90	..	90	— 41
Marine	,, ...	,,	275	147	880	93	318	473	+ 198
Superintendent, Railway Mail Service ..	,, ...	,,	..	..	..	..	..	..	..
Revenue Survey ..	,, ...	,,	926	1	958	..	7	18	— 188
Agriculture ..	,, ...	,,	310	4	320	194	6	140	— 170
Government Central Museum ..	,, ...	,,	5	2	10	5	3	3	+ 3
Under Secretary to Government ..	,, ...	,,	472	17	504	40	28	68	— 405
Superintendent of Prisons ..	,, ...	,,	13	4	17	6	..	7	— 6
Revenue Board ..	,, ...	,,	20	8	33	2	5	7	— 17
Forests	,, ...	,,	3	6	10	3	..	3	— 1
Bank of Madras.	Specie, silver	Boxes.	..	..	..	..	..	..	..
	,, copper	,,	..	..	..	..	..	..	..
Presidency College.	Packages ..	No.	3	6	15	2	..	2	— 6
School of Arts ..	,, ...	,,	..	1	1	1	..	1	+ 1
Sanitary Commissioner ..	,, ...	,,	..	..	..	..	1	1	+ 1
Inspector of Cattle Diseases ..	,, ...	,,	..	..	100	..	..	..	..
Chemical Examiner	,, ...	,,	11	7	31	7	3	10	— 1
Medical College ..	,, ...	,,	2	15	31	14	2	16	+ 14
Deputy Collectors ..	,, ...	,,	11	2	15	7	..	6	— 5
Camp Equipage ..	,, ...	,,	..	..	..	..	..	..	..
Astronomer ..	,, ...	,,	11	..	13	14	3	17	+ 6
Presidency Paymaster ..	,, ...	,,	8	..	8	..	4	4	— 4
Registration ..	,, ...	,,	4	..	4	..	..	..	— 4
Director of Public Instruction ..	,, ...	,,	137	..	139	4	..	4	— 133
Superintendent, Remount Depôt, Hosúr ..	,, ...	,,	250	300	600	211	..	211	— 139
Resident, Mysore, in Bangalore ..	,, ...	,,	1	1	2	6	2	8	+ 7
Secretary for Berar, Hyderabad ..	,, ...	,,	6	1	7	17	1	18	+ 12
His Excellency Lord Wenlock, Government House, Madras ..	,, ...	,,	..	2	2	..	..	..	..
Judge, Civil City Court, Madras ..	,, ...	,,	..	1	1	..	..	..	..
Quartermaster-General ..	,, ...	,,	..	..	3	3	11	14	+ 14
Registrar of High Court ..	,, ...	,,	..	..	1	2	..	2	+ 2
Civil Engineering College ..	,, ...	,,	..	..	..	..	20	20	+ 20

VIII.—Statement of stores, &c., exported by Government.

Department.	Description.	Class.	For 9 months ending 31st Dec. 1892.	Quarter ending 31st Mar. 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st Dec. 1893.	Increase or decrease as compared with corresponding period of last year.
Accountant-General ..	Specie, silver.	Boxes.	36	6	45	95	..	95	+ 59
	,, copper..	,,	198	..	200	103	..	103	— 95
	,, notes ..	,,	7	3	13	3	3	6	— 1
	,, packages.	No.	1	..	1	1	..	1	..
Bank of Madras	,, silver ..	Boxes.	..	..	..	..	..	..	..
	,, copper..	,,	62	..	62	84	..	84	+ 22
Ordnance	Packages and pieces.	No.	2,555	1,540	5,831	3,162	1,826	4,988	+ 2,433
Public Works Department	,, ..	,,	220	217	438	282	207	466	+ 246
Clothing	,, ..	,,	740	195	1,086	535	343	878	+ 138
Police	,, ..	,,	688	112	974	647	122	769	+ 81
Salt Revenue ..	,, ..	,,	473	199	725	472	56	528	+ 55
Medical	,, ..	,,	812	696	1,610	1,105	276	1,381	+ 569
Telegraph	,, ..	,,	176	440	4,330	1,477	1,200	2,871	+ 2,695
Stationery	,, ..	,,	324	374	780	201	95	356	+ 32
Stamps	,, ..	,,	122	66	253	95	64	159	+ 37
Commissariat ..	,, ..	,,	3,291	2,005	6,205	2,714	1,662	4,376	+ 1,085
Gazette Press ..	,, ..	,,	328	105	503	218	107	323	— 5
Marine	,, ..	,,	221	78	366	27	3	30	— 191
Revenue Board ..	,, ..	,,	23	10	37	39	47	86	+ 63
Do. Settlement ..	,, ..	,,	70	5	84	37	3	40	— 30
Do. Survey ..	,, ..	,,	312	71	452	174	32	206	— 106
Superintendent of Prisons.	,, ..	,,	136	52	196	36	52	88	— 48
Registration	,, ..	,,	..	43	43	1	..	1	+ 1
Conservator of Forests ..	,, ..	,,	8	16	33	1	..	1	— 7
Quartermaster-General ..	,, ..	,,	4	..	4	..	..	..	— 4
Government Central Museum	,, ..	,,	..	1	53	..	..	..	..
Deputy Collectors ..	,, ..	,,	9	..	9	10	3	13	— 6
Camp Equipage ..	,, ..	,,	..	..	..	..	..	..	— 9
Government Astronomer.	,, ..	,,	14	5	18	6	3	9	— 5
Agriculture	,, ..	,,	3	5	8	2	..	2	— 1
General Hospital ..	,, ..	,,	..	..	..	..	..	..	..
State Railways ..	,, ..	,,	..	..	..	..	..	..	..
Inspector of Cattle Diseases	,, ..	,,	1	..	1	..	..	..	— 1
Chemical Examiner ..	,, ..	,,	1	..	1	..	..	..	— 1
Director of Public Instruction	,, ..	,,	4	..	6	13	..	13	+ 9
Registrar of University ..	,, ..	,,	3	..	10	..	5	5	+ 2
Collectors	,, ..	,,	..	..	..	6	..	6	+ 6
Curator of Government Garden, Ootacamund ..	,, ..	,,	..	..	..	2	7	9	+ 9
Engineer, Harbour Trust Board	,, ..	,,	..	..	..	..	..	..	..
Crown Officer, High Court.	,, ..	,,	9	9	18	5	..	5	— 4
School of Arts	,, ..	,,	..	..	..	..	..	..	..
Secretary to Government, Public Department ..	,, ..	,,	..	..	..	..	..	..	..
Registrar-General of Births, Deaths and Marriages	,, ..	,,	..	..	..	..	..	..	..
Inam Commissioner ..	,, ..	,,	..	..	..	..	..	..	..
Consulting Engineer to Government Railways..	,, ..	,,	..	..	..	..	..	..	..
Civil Engineering College.	,, ..	,,	..	..	1	1	..	1	..
Superintendent, Census Operations	,, ..	,,	..	..	4	1	..	1	+ 1
Post office	,, ..	,,	..	..	1	2	..	2	+ 2
Sanitary Commissioner ..	,, ..	,,	..	1	1	2	..	2	+ 2

(Signed) S. HUTCHENCE,
Traffic Manager, Harbour Trust Board.

To the Secretary, Harbour Trust Board, Madras.

No. 361, Marine.

Transferred to the Public Works Department.

(Signed) J. F. PRICE,
Chief Secretary.

23rd February 1894.

6

Order—dated 20th March 1894, No. 798 W., Public Works.

Ordered to be forwarded for the information of the Secretary of State and the Government of India.

[Here enter No. 799 W., dated 20th March 1894.]

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D

To the Chairman, Harbour Trust Board.
" Marine Department.

Endorsement—dated 20th March 1894, No. 799 W., Public Works.

Copy of the above, with two plans showing the progress of the work, forwarded to the Government of India.

(By Order.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D

Rgd. C. A. Manisawmy.
4 pere Copies

798-799
14

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1894} Madras.

PUBLIC WORKS.

Dated March, 20th.

Read. *Encl.*

G.O., 20th Mar. 1894. Nos. 798, 799 W.

MARCH.

Madras Harbour Works

Forwarding copy of the progress report of the — for the quarter ending 31st December 1893 with two plans showing the progress of the work.

798-799
15

Government of Madras.

Disposal.

1894.

P. W DEPARTMENT.

No. dated

CURRENT No. 1471

From

The Marine Department

No. 48 - 90 of 7-1-94

1 Enc. 7-1-94

ENCLOSE 2

No. 361 35 C (Plans)

Dated 23. 2. 94

Received 26. 2. 94

SUBJECT.

Madras Harbour: Transferring report upon the progress of reconstruction of the — during the quarter ending 31st December 1893.

39-2,000—6-2-94.

MARINE DEPARTMENT.

From

To

The CHIEF SECRETARY

TO GOVERNMENT,

Public Department.

Dated 16th February 1894.

Received 20th

Registered, No. 361

Enc. 2 Plans.

SUBJECT.

QUARTERLY REPORT.

Forwarding for the information of Government the Quarterly Report for the quarter ending 31st December 1893.

Transferred

Public Works Department

Chief Secretary

3513

Pd 28

1/5 288

16

MARINE DEPARTMENT.

From

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

To

THE CHIEF SECRETARY
to GOVERNMENT,
Marine Department.

DATED 16TH } February 1894.
DESPATCHED 20TH }

RECEIVED

ENCLOSURES TWO PLANS.

No. 3890.

SUBJECT.

QUARTERLY REPORT.

Submitting ——— for the period ending 31st December 1893.

LAWRENCE ASYLUM PRESS.

788-789 / 18 / Pers

HARBOUR TRUST OFFICE,
MADRAS, 16*th February* 1894.

No. 3890.

From

THE HON'BLE MR. WARE AUSTIN, 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, for the information of Government, report upon the progress of reconstruction of the Harbour during the quarter, 1st October to 31st December 1893: together with the statements and tracings referred to by the Board's Engineer; also statements of goods imported and exported for the quarter, and for the nine months commencing 1st April 1893, compared with the corresponding periods in the previous year: statement of cash receipts and charges, and comparative statement showing the increases and decreases of receipts and charges for the nine months as against the corresponding period in 1892.

2. Referring to the returns of goods imported and exported; it is to be observed that the following are the principal items in which variation has to be recorded:—

3. *Imports from Foreign ports—Increase.*—Boilers 20; Crockery and Glass-ware, 1,654 packages; Coal, 6,330 tons; Copper, 6,197 ingots; Dynamite, 2,993 cases; Hardware, 2,080 packages; Iron, 694 tons; Kerosine Oil, 46,117 cases and 3,066 tons; Nails, 4,258 kegs; Piece Goods, 5,985 packages; Twist, 1,915 bales; Paper, 687 bales; Steel, 5,342 bundles and bars; Sundries, 19,414 packages; Sugar, 624 bags; Spelter, 3,854 cakes; Tin-plates, 2,523 boxes; Window-glass, 2,606 cases.

4. *Decrease.*—Beer, 1,237 cases, 149 barrels, 2,298 hogsheads; Candles, 3,893 cases; Provisions, 1,090 cases; Cast Iron, 355 packages; Coke, 101 tons; Crackers, 514 cases; Corrugated Iron, 538 packages; Gunpowder, 890 packages; Oil and Turpentine, 2,831 drums; Wines and Spirits, 6,884 casks and cases.

788-99
19

5. *Imports from Coast Ports*, show a healthy activity, the principal variations being an *increase* of 31,454 bags of Grain and Peas; Coal 9,198 tons; and 2,000 bales Skins; and a *decrease* of 38,713 bags of Paddy; 65,629 bags of Rice; 8,570 bags Seeds; 8,764 bales Hides.

6. *Exports to Foreign Ports.—Increase.*—Cotton, 29,231 bales; Ground-nuts, 107,630 bags; Jaggery, 32,489 bags; Onions, 8,297 bags; Poonac, 11,475 bags; Rice, 9,829 bags; Seeds, 1,374 bags.

Decrease.—Coffee, 11,981 bags; Twist, 3,995 bales; Hides Tanned, 9,128 bales; Indigo, 1,280 chests; Skins Tanned, 4,711 bales; Tamarind, 2,402 bundles.

7. *Exports to Coast Ports—Increase.*—Chillies, 5,118 bags; Cotton, 4,127 bales; Myrabolams, 1,078 bags; Onions, 9,610 packages; Potatoes, 6,466 packages; Paddy, 6,810 bags; Seeds, 17,241 bags; Sandalwood, 2,500 bundles; Turmeric, 16,695 bags.

Decrease.—Twist, 2,670 bales; Cement, 8,557 casks; Ground-nuts, 1,770 bags; Iron, 1,998 tons; Piece Goods, 1,210 packages; Poonac, 4,891 bags; Rice 8,658 bags; Redwood, 689 tons; Tamarind, 3,313 bundles.

8. The Madras Railway has imported 23,815 packages more than in the corresponding period in 1892, and the South Indian Railway 4,416 packages less.

9. The variations in imports and exports have on the whole effected the cash collections favourably.

It will be observed from the statement printed at pages 7 and 8 that Imports upon the Beach and Pier show an *increase* of Rs. 12,521, Exports Rs. 7,296; Cranage has also increased Rs. 8,664.

10. There is a reduction of Rs. 45,000 in the amount received from Government from Port Funds.

11. The items of expenditure have been kept well below the corresponding period in the previous year.

12. On the 31st December the Trust had at credit in the Madras Bank Rs. 28,813 cash: and, deposited there for safe custody, Rs. 10,45,000 4% Government pro. Notes par value, the net cost of which amounted to Rs. 10,50,289. The market value of this paper at Rs. 105, the then current rate, was Rs. 10,97,250, or about Rs. 47,000 more than it had cost.

13. But little progress was made upon the pier heads of the Harbour walls during the quarter. Dredging the base at the pier heads took up most of the little time available for work.

14. Unsettled weather necessitated the titan cranes being withdrawn two days earlier than usual, and the Christmas holidays intervened at the end of December.

15. The progress recorded is only 5 feet 4½ inches at the north pier. A similar addition would have been made at the south pier; but that the lewises broke, when a block was being lowered into position; and nothing further could be done until this block was removed; which was found impossible up to the end of the quarter.

16. A cyclone of moderate force was experienced on the 4th and 5th November: but did no damage to the walls of the Harbour; although a portion of the temporary work at the north pier head had been left unprotected by the wave-breaker screen; a few of these random blocks rolled forward on to the base; but they have since been secured and removed. The sea inside the Harbour during the cyclone was comparatively smooth: catamarans and boats could get about without much difficulty. A few cargo lighters, of 10 to 12 tons capacity each, broke from their moorings and came ashore, owing more to the defective condition of their chains and anchors, rather than to the sea caused by the cyclone. One lighter, heavily laden with rails, sunk and broke up, the others were but little injured and have all since been repaired.

17. The British India Steamer *Camorta*, the only ship in Harbour, was unmoored and piloted to sea by Mr. Corfield, Senior Harbour Master, at the commencement of the cyclone: and the Captain, on his return to port, expressed to the Deputy Conservator his appreciation of the able and seamanlike manner in which his ship had been handled, under difficult and trying circumstances.

18. The protective rubble revetment north of the Harbour did not sustain much damage from the cyclone, a slight settlement at one place only being observed.

19. The erosion to the north of the extended revetment was filled in by the cyclone: cut away again in part, owing to a heavy sea from the S.E. at the termination of the storm; and by the end of December, High-water mark had advanced seaward and recovered foreshore to the extent of 190 feet: thus removing all present danger of further erosion at this point; until the current brought by next S. W. monsoon, which sets to the north up the coast, has again, assisted by the surf-waves, attacked the end of the revetment, and again eroded the beach. It is to be observed that so far, the erosion of unprotected foreshore at the greater distance from the Harbour, appears to be on a smaller scale, than was the case when the protecting revetment ended further south.

20. The foreshore south of the Harbour, has receded as is usual during the N. E. monsoon: but the erosion this year has been greater than for some years past. The Board's Engineer reports that this may be the commencement of a complete change in the whole coast line; but I would observe, on the other hand, it may be due merely to a greater eroding force,—the cyclone,—being brought to bear upon the unprotected sandy foreshore, than it has been subjected to of late years, during which: there not only have been no cyclones, but the force of the N. E. monsoons themselves has been below that ordinarily experienced. Whatever may be the cause of the exceptional extent of the erosion south of the Harbour during the quarter under review, the extent of sand, accreted to the south, is now so extensive, that ample warning must be given before the Government buildings, and Mercantile offices along the Beach are in any way endangered.

21. It may here be remarked that when erecting the two 10 and 5 ton cranes opposite the old High Court buildings, some years ago, the rubble of De Haviland's sea wall, referred to in the Engineer's report, was found intact at that spot.

22. The Engineer has recorded his opinion, based on soundings taken, that there has been no silting inside of the Harbour; but merely a slight accumulation of sand, which has found its way in through crevices in the south arm, at whatever point surf action held the sand in suspension, as the foreshore advanced or receded, according to the direction of the monsoon. This has formed a bank alongside the south arm, inside of the Harbour: and so long as this does not in the future assume too great dimensions, it is a question whether it is not rather an advantage than otherwise, tending to strengthen and support the south wall. If at any time it is considered that this bank threatens to encroach unduly, upon the anchorage area within the Harbour, there should be little, if any difficulty, in either dredging, or removing it with a sand-pump.

23. The Deputy Port Conservator does not concur in the Engineer's opinion. The question whether the Harbour has or has not silted is still under enquiry; and is receiving the careful attention of the Trustees.

I have the honor to be,

Sir,

Your obedient Servant,

Chairman.

Statement of Receipts and Charges from 1st April to 31st December 1893.

Opening balance—					Rs.	A.	P.	Rs.	A. P.
Government Securities (Par value 8,00,000)								7,93,157	0 10
1. Cash in the Bank of Madras					3,71,724	13	1		
2. General Cash in Office					469	14	8		
3. Advance for Contingencies					500	0	0		
								3,72,694	11 9
									11,65,851 12 7
Receipts.									
I. Contribution from Port Funds									20,000 0 0
II. Beach Import: dues, under Section 45 (*a*) I (i) (ii) (iii)					1,12,005	6	1		
Pier	do.	do.	do.		44,710	10	8		
Beach Exports		do.	do.		22,172	13	4		
Pier	do.	do.	do.		32,840	7	3		
Wharfage,	do.	do.	II		5,280	0	0		
Cranage		do.	III		30,210	13	2		
Storage		do.	IV		1,779	5	8		
Demurrage		do.	V						
Dues for entry of Vehicles under Sec. 45 (*c*) VI					9,197	7	0		
Provisions: dues on—under Sec. 45 (*a*) I (i)					434	0	6		
Rent of Properties					851	15	3		
Water: charge for—delivered at Pier-Head					3,188	1	0		
Penalties under Section 84									
Sundries					2,369	7	0		
								2,65,040	9 11
III. Porterage under Sec. 45 (*a*) I (iv)—									
Beach					44,527	11	2		
Pier					24,350	14	6		
Miscellaneous					1,406	0	9		
								70,284	10 5
									3,35,325 4 4
IV. Interest realized on Government of India 4 per cent. Promissory Notes									20,565 0 3
Law charges recovered by the Trust in the High Court suit brought by the Trustees of Patchappah's charities									1,937 9 0
Amount refunded from construction Funds in repayment of advances made from time to time from Revenue from 1st April to 31st December 1893									92,000 0 0
Total Rupees									16,35,679 10 2
Charges.									
I. Interest (under Section 30)								2,18,477	13 7
II. Repayment of Loan for Construction of Harbour under Section 31								1,00,000	0 0
									3,18,477 13 7
III. Refunds								1,703	14 5
IV Establishment, &c.—									
1. Chairman's salary					3,600	0	0		
2. Secretary's do.					8,500	4	9		
3. Correspondence Department					2,781	4	0		
4. Accounts Department					4,698	15	1		
5 Cash Department					3,357	9	8		
6. Traffic Department (Shore Staff)					19,084	4	7		
7. Preventive Service					9,089	6	0		
8. Do. Boatmen					875	13	4		
9. Exchange Compensation Allowance.									
10. Contribution to Government for Pensions					369	0	4		
11. Do. to Provident Fund					73	12	5		
12. Fees to Trustees					4,860	0	0		
								57,290	6 2
				Forward Rs.				58,994	4 7
									3,18,477 13 7

		Rs.	A.	P.	Rs.	A.	P.
	Forward...	58,934	4	7	3,18,427	13	7
V. Contingencies—							
(a) Subject to Regular Audit.—							
Postage		81	9	10			
Receipt Stamps		145	5	0			
Telegrams		8	1	0			
Furniture		210	8	0			
Fees for Audit		...	...	...			
Law Charges		1,222	11	0			
Stationery and Printing		1,395	12	4			
Advertisement Charges		393	0	0			
Uniform for Preventive Service &c. ...		1,318	8	9	4,775	10	2
(b) Admissible without Detailed Audit.—							
Overtime Fees to Establishment ...		3,447	8	8			
Do. Preventive Service and Boatmen		2,102	12	0			
Miscellaneous		4,798	1	11	10,348	7	7
VI. Petty Construction and Repairs—							
New Works...		60	14	6			
Repairs		9,245	8	8			
Tools and Plant		711	3	6	10,017	10	8
							84,136	1	0
VII. Porterage—							
1. Coolies, Beach		30,142	10	7			
2. Do. Pier		11,117	14	11			
3. Do. Custom House		7,157	14	5			
4. Madras Railway Company		274	1	0			
5. South Indian Railway Company ...		69	9	8			
6. Coasting Cargo		813	10	9			
7. Boat Hire		6	0	0			
8. Engine Charges		862	3	10			
9. Steam Crane Charges		1,554	0	3			
10. Refunds		656	3	5			
11. Claims for Losses and Damage ...		318	8	10			
12. Provident Fund		...	...	...			
Deductions from Coolies' wages ...		331	4	0			
Contributions by the Trust ...		674	4	6	53,978	6	4
VIII. Contingencies—							
(a) Subject to Regular Audit—							
Postage		...	...	...			
Receipt Stamps		11	7	0			
Telegrams		...	...	...			
Furniture		106	8	0			
Tarpaulins		1,400	13	0			
Law Charges		...	...	...			
Stationery and Printing		390	2	1			
Advertisement Charges		...	...	...			
Lighting Pier and Yards		1,243	13	3	3,154	11	4
(b) Admissible without Detailed Audit—							
Miscellaneous					2,048	15	2	59,182	0	10
								92,600	0	0
XI. Advances to Construction Account								5,53,795	15	5
Total Expenditure										
Balance on the 31st December 1893—										
Government Securities (Par value 10,45,000) ...					10,50,288	10	10			
Cash in the Bank of Madras ...		28,813	1	7						
General Cash in Office		2,281	14	4						
Advance for Contingencies		500	0	0	31,595	15	11			
								10,81,883	10	9
Total Rupees								16,35,679	10	2

ACCOUNTS DEPARTMENT,
HARBOUR TRUST,
MADRAS, 15th January 1894.

H. F. 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 1892 and 1893.

Items.	Actuals from 1st April to 31st Dec. 1892.	Actuals from 1st April to 31st Dec. 1893.	Plus or Minus.
Revenue Account.	Rs.	Rs.	Rs.
Opening Balance	11,45,648	11,65,852	+ 20,204
Receipts.			
Contribution from Port Funds	65,000	20,000	— 45,000
Beach Imports : dues under Sec. 45 (a) (i) (ii) (iii)	1,60,019	1,72,005	+ 11,987
Pier do. do.	44,177	44,711	+ 534
Beach Exports do. do.	15,730	22,173	+ 6,443
Pier do. do.	31,987	32,841	+ 853
Wharfage, do. II	5,376	5,280	— 96
Cranage do. III	21,547	30,211	+ 8,664
Storage do. IV	1,533	1,779	+ 246
Demurrage do. V	...	...	...
Dues for entry of Vehicles under Sec. 45 (a) VI ...	6,746	9,197	+ 2,451
Provisions — dues on—under Sec. 45 (a) I (i) ...	453	474	+ 21
Rent of Properties	1,030	852	— 178
Water —charge for—delivered at Pier head ...	2,741	3,188	+ 447
Penalties under Sec. 84	...	...	...
Sundries	1,017	4,307	+ 3,290*
Porterage under Sec 45 (a) I (iv).			
Beach	37,823	44,529	+ 6,706
Pier	23,279	34,351	+ 11,072
Miscellaneous	2,551	406	— 1,145
Interest realised on Govt. of India 4% Pro. Notes ...	16,296	20,865	+ 4,329
Total ...	3,77,847	3,71,823	...
Total including the opening Balance ...	15,23,495	15,37,675	...
Charges.			
Interest paid to Govt. under Sec. 46	4,74,464	4,56,626	+ 17,838
Repayment of Loan for Construction of Harbour under Section 31	1,00,000	1,00,000	...
Refunds	2,324	1,794	— 529
Establishment.			
Chairman's Salary	3,060	3,420	+ 360
Secretary's Salary	1,530	1,806	+ 276
Correspondence Department	2,910	3,038	+ 128
Accounts Department	5,433	5,833	+ 400
Clerk Department	2,998	2,988	— 10
Traffic Department (Shore Staff)	21,042	22,950	+ 1,908
Fire Service	10,232	11,633	+ 1,401
Preventive Service Pontoon	970	876	— 94
Revenue compensation allowance	...	...	...
Contribution to fund for Pensions	536	389	— 147
Do. to Provident Fund	86	74	— 12
Fees to Trustees	4,650	4,860	+ 210
Contingencies.			
(a) Subject to Regular Audit—			
Postage	48	82	+ 34
Receipt Stamps	138	145	+ 7
Telegrams	...	3	+ 3
Furniture	457	216	+ 247
Fees for Audit	...	...	...
Law Charges	87	1,223	+ 1,136
Stationery and Printing	2,052	1,396	— 656
Advertisement Charges	2	393	+ 391
Uniform for Preventive Service, &c.	1,392	1,318	— 74
(b) Admissible without detailed Audit—			
Overtime Fees to Establishment	3,632	3,948	+ 316
Do. Preventive Service and Boatmen ...	2,085	2,103	+ 18
Miscellaneous	3,027	4,798	+ 1,771
Petty Construction and Repairs.			
... ...	10,854	61	— 10,793
... ...	14,176	9,246	— 4,930
... ...	...	711	+ 711

*Includes Rs. 1,936 Law charges recovered from the Trustees of Pachaiyappan's Charities.

Comparative Statement of Receipts and Charges of the Madras Harbour Trust, under Act II of 1886 for nine months ending 31st December 1892 and 1893.—(concluded.)

Items.	Actuals from 1st April to 31st Dec. 1892.	Actuals from 1st April to 31st Dec. 1893.	Plus or Minus.
	Rs.	Rs.	Rs.
Portorage.			
Coolies' Branch	24,176	30,143	+ 5,967
2nd Pier	9,517	11,118	+ 1,601
Do. Custom House	6,908	7,158	+ 250
Madras Railway Company	585	254	— 331
South Indian Railway Company	178	70	— 108
Coasting Cargo	680	814	+ 134
Boat Hire	1,420	6	— 1,414
Engine Charges	1,250	892	— 358
Steam Crane Charges	2,075	1,554	— 521
Refunds	442	656	+ 214
Claims for Losses and Damage	575	419	— 156
Provident Fund	...	331	+ 331
Deductions from Coolies' wages	741	674	— 67
Contribution by the Trust			
Contingencies.			
(a) Subject to Regular Audit—	...	...	...
Postage	9	11	+ 2
Receipt Stamps	...	...	...
Telegrams	36	106	+ 70
Furniture	152	1,401	+ 1,249
Tarpaulins	26	...	— 26
Law Charges	412	390	— 22
Stationery and Printing	...	...	...
Advertisement Charges	1,180	1,246	+ 66
Lighting Pier and Yards			
(b) Admissible without detailed Audit.			
Miscellaneous	1,428	2,049	+ 621
Total	130,186	4,61,796	

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

MADRAS HARBOUR WORKS.

Report of Progress on the Madras Harbour Works for the Quarter ending 31st December 1893.

Accompanying this report are the following plans and statements :—

No. 34 (*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.

The positions of the High Water Marks of the 31st December 1893, and that of the previous twelve months, both to the north of the revetment, and the south of the Harbour, are shown for comparison.

No. 34 (*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 piers of the Harbour, with an eastern entrance of 520 feet.

No. 35 (*c*). A statement comparing the expenditure on different sub-heads of work up to the end of the quarter, with the provisions of the sanctioned estimate.

No. 35 (*d*). A statement showing work done under different sub-heads and particulars of cement received and issued.

2. The various heads of work, &c. throughout the Harbour Works are reported on as follows :—

3. **General.**—The Quarter under review October, November, and December is one in which the least work at sea is possible owing to the setting in of the North-East Monsoon from 15th October by which date all the Titan Cranes should be withdrawn to shore for security, but owing to the weather looking suspicious earlier than usual, the Cranes were hurried on shore on the 13th October 1893.

4. **North Pier Superstructure.**—Under these circumstances the total available working days at the North Pier in the Quarter were reduced to nine working days, when the Crane was able to work at dredging and block-setting ; and in this short time, a depth of 9 feet of rubble base was dredged, and 24 superstructure blocks were set, completing the last of the six temporary courses and adding a length of 5′ 4½″ of Pier work built, which brought up the total length of the North Pier to 3,796′ 3″ inclusive of the 6 temporary courses to be raised next Quarter.

5. On shore, all attention was turned to fitting the All-Round Titan Crane with the four new solid steel travelling wheels; and I am happy to report the work was completed during the Quarter, and the Crane again in working order.

6. The caisson for the North 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, the No. 7 Pulsometer provided for the purpose.

7. 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 Monday the 15th January the Caisson was successfully launched through the surf and towed to the North Arm; where it will be charged with concrete, and built to the full height of 53 feet; and set in position early in March or as soon as the work at the Pier Head can be made ready to receive it, which is now solely dependent upon the quietness of the sea, during February and March.

8. **Wavebreaker.**—The portion of the temporary work at the Pier Head reported left unprotected during the Monsoon, and although it had to stand a fairly heavy sea, did not move; and no damage was done; a few of the wavebreaker blocks, due to the great depth at this point, rolled forward; and beyond the trouble and delay of a few days' work in slinging these blocks, the preparations so far made for receiving the Caisson, have remained undisturbed, which all tend towards the successful setting of the Caisson if the sea will remain calm.

9. **South Pier.**—At the South Pier fair progress was made during the 10 working days available in the Quarter, and all dredging down to the required depth, was completed, and two of the lower blocks set in position; when for the first time since the works started, and for some unknown reason, both the lewises lowering the third bottom block parted, dropping the block out of position, and blocking up the lewis holes, so that new lewises could not be used. This accident stopped all further work for the season; or 12 hours later the course would have been brought up above water level, and an advance of 5′ 4½″ recorded, instead of which no advance of permanent work can be recorded, until this block is secured and set aright next season, which was impossible for want of time and rough sea at the close of the Quarter ending 31st December 1893.

10. **Protective Works North of Harbour.**—The line of revetment to the North of the Harbour has shown slight further settlement near Carlton House, and at the extreme North end of the new revetment the bank of stone has flattened out. The bay forming up to the end of October, suddenly ceased further scouring and by the end of December 1893, had again accumulated sand, carrying the High Water Mark 190′ Eastwards, earlier than usual, which has put all threatened land and cultivation, clear of danger by erosion, until next September.

11. **Foreshore South of Harbour.**—The threatened rapid advance of sand outside the South Arm, has this quarter, shown a marked change on former records, and as compared with the total advance made during the 12 months ending September 1893, which advance measured 120′.

12. The High Water Mark has since receded 180′ near the Pier, and 200 feet, a short distance from the arm, and this may be the commencement of a complete

change in the whole coast line about to take place, as it did many years ago when the High Water Mark advanced for years; and then for no known reason steadily encroached again upon Madras, until DeHavilland's Wall had to be built, which was the means of saving the Beach road and its buildings.

13. **Sea bottom within the Harbour.**—The soundings taken within the Harbour show no change due to silt, but the sand, which found its way through the South Arm in past years, has been thrown up, which has advanced the High Water Mark. This action has apparently now ceased with the reconstructed piers and there is now only a general shifting of sand from side to side of the Harbour according to the Monsoon; only advancing and receding the High Water Mark, at each side of the Harbour.

For instance, in the Quarter under review, due to the North-East Monsoon the High Water line at the South half of the Harbour has receded 100 feet, from June to December 1893, while at the North half, the High Water line has advanced 25 feet, and further since; and from observations I have made from time to time, this movement takes place as far down as 2 and 2½ fathoms but is not permanent.

14. **Summary of Progress.**—The following is the summary of the progress made in the Harbour Works during the quarter under review:—

MADRAS HARBOUR WORKS.

Progress Statement No. 35. (d).

Statement Showing Progress during Quarter ending 31st December 1893, as shown on accompanying Tracings, No. 34 (a) and 34 (b).

Notes.—The Figures in red denote the corresponding progress and quantity of work done in the quarter ending 31st December 1892.

Item.	Particulars and Quantity of Work, &c.	Unit.	A Rubble Base	B Superstructure	C Wrought Iron Keyson	D Concrete Blocks plus	E Base Protection	F Rubble Base	G Superstructure.	H Wavebreaker.	I Concrete Capping.	J Base Protection.	K Pallarum Quarries Outturn.	L Concrete Blocks Outturn.	M At Works	N At Quarries	O Sand Line	P Beach Improvements	Q Protective Works	R Total Expenditure during the Quarter.
			Railway Lines.																	
1	Rubble Stone deposited from boats	Tons																		
2	Do. from quarries	do.																		
31	Total quantity Rubble Stone received on Works	do.																		
4	Do. Blasted Chips	do.																		
5	Do. Large Stones	do.				23 21														
6	Concrete Blocks—Set by Divers	Number																		
7	Do. Deposited in Water	do.																		
8	Do. Broken	do.																		
9	Do. made for Superstructure	do.																		
10	Do. Wavebreaker	do.																		
11	Wrought Iron Cramp fixed in position	Cwts.			5·41 3·14															
12	Total net Sum of Concrete	Cubic yds.																		
13	Advance or progress of completed superstructure	Ry. feet.																		
14	Rubble Base protected with Concrete	Ry. feet.																		
15	Metre Gauge, 40 lbs. per yard laid new	" "																		
16	Do. " do. relaid or renewed	" "																		
17	Do. " do. taken up	" "																		
18	Broad Gauge, 50 lbs. per yard laid new	" "																		
19	Do. " do. relaid or renewed	" "			802															
20	Do. " do. taken up	" "																		
21	Titan Gauge, 75 lbs. per yard laid new	" "			415															
22	Do. " do. relaid or renewed	" "																		
23	Do. " do. taken up	" "																		
24	Approximate Expenditure under Sub-heads of Work	Rupees		22,672																

Nil Casks of Cement received on Works during Quarter ending 31st December 1892 remaining ... do.
1411 Do. do. issued for do. do.
8620 Do. do. Balance in Store at end of do. do.

Madras, 31st January 1894.

A. LEE POGSON,
Engineer, Harbour Trust Board.

15. **Miscellaneous.**—During the Quarter the erection of the Marine Police Boat Station and Stables, for the Deputy Commissioner of Police, were proceeded with, and nearly completed at the close of the Quarter.

16. The re-alignment of the Beach line for the Tramway Company was well in hand, and as soon as the Platelayer gangs and other labor can be taken of the Caisson work, the ground proposed to be given up to the Tramway Company, can be made over.

17. The usual repairs and upkeep of all machinery, cranes, railway lines, &c., for the Traffic Department was continued, and no accidents of any nature occurred during the quarter.

Memorandum to accompany statement of progress for the quarter ending 31st December 1893.

1. Estimated sum required to complete the works at the commencement of the quarter, except Establishment, Tools and Plant and Contingent charges ... ...Rs. 5,12,476
2. Cost of work done during the Quarter ... ... „ 36,098

Rs. 4,76,378

3. Estimated cost of additional works found necessary during the Quarter ... ...

4. Estimated cost of completing the works from and after the end of Quarter. ... ...Rs. 4,76,378

A. LEE POGSON,
Engineer, Harbour Trust Board.

Madras,
31st January 1894.

MADRAS HARBOUR WORKS.

COMPARISON OF EXPENDITURE TO DATE WITH SANCTIONED ESTIMATE FOR THE QUARTER ENDING 31st DECEMBER 1893.

No.	Sub-head of Work.	Unit	As per Estimate sanctioned in Secretary of State Despatch No. 1, dated 7th January 1892: Quantity	Rate	Per	Cost	Total	As Executed: Quantity	Rate	Expenditure: Total up to end of last Quarter	During the Quarter	Up to date	Arrears not paid	Value of work done up to date, columns 11 and 12	Remarks
	1		2	3	4	5	6	7	8	9	10	11	12	13	14
				Rs. A. P.		Rs.	Rs.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
	Expenditure up to 31st December 1884.														
1	Works				...	55,09,234	...		...	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						65,54,400			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	18,930	1 12 0	Ton	24,378		15,950	1 12 0	24,877 9 0	...	24,877 9 0	...	24,877 9 0	
6	Do. from boats	"	2,06,896	2 0 5	"	4,19,218		2,08,362	2 1 5	4,31,285 15 3	...	4,31,285 15 3	4,085 7 2	4,35,371 4 5	
7	Concrete blocks for building	C. yds.	51,320	11 8 0	C. yd.	5,90,110		51,144	12 0 4	6,09,693 3 2	5,045 11 10	6,14,738 15 0	...	6,14,738 15 0	
8	Setting blocks at commencement of new work	"	2,615	2 1 11	"	5,415		2,616	2 1 1	5,414 11 2	...	5,414 11 2	...	5,414 11 2	
9	Do. from 2,200 to 3,000 feet	"	36,520	2 14 3	"	1,05,562		34,447	3 1 3	1,12,056 14 8	...	1,12,056 14 8	...	1,12,056 14 8	
10	Do. at Pierhead	"	12,185	9 8 11	"	1,16,424		12,112	10 6 8	1,08,937 7 1	14,470 13 8	1,23,408 4 9	2,141 14 9	1,25,550 3 6	
11	Concrete in mass for filling	"	263	4 8 5	"	1,188		264	4 8 3	1,188 0 7	...	1,188 0 7	...	1,188 0 7	
12	Wave breaker blocks	"	288	9 5 4	"	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		67,419	11 6 8	7,69,572 7 8	...	7,69,572 7 8	...	7,69,572 7 8	
14	Depositing do.	"	77,932	1 0 0	"	77,928		68,012	1 0 4	68,653 8 3	750 1 5	69,402 9 8	175 9 8	69,578 3 4	
15	Concrete in protection to Rubble Base	"	1,986	10 4 1	"	20,354		1,229	16 14 9	20,150 1 7	442 15 5	20,593 1 0	...	20,593 1 0	
16	Cramps, Iron	No.	331	9 10 1	Each	3,183		313	7 11 10	2,422 0 2	...	2,422 0 2	...	2,422 0 2	
17	Concrete capping	C. yds.	16,352	11 8 10	C. yd.	1,83,798		573	19 14 11	11,421 11 7	...	11,421 11 7	...	11,421 11 7	
18	Cost of North Pier Caisson and setting in position and filling same as items 26, 27, 33 and 34		...		"	81,750		...	...	24,393 1 7	6,230 2 3	30,623 4 10	3,673 4 6	34,296 9 4	
	Total for North Pier						23,30,097			21,92,253 9 2	27,189 15 7	22,19,398 7 4	10,376 4 1	22,29,774 11 5	
	South Pier.														
19	Ordinary rubble deposited from boats	Tons	1,73,078	2 9 0	Ton	4,40,052		1,73,771	[illegible]	4,41,068 3 0	...	4,41,068 3 0	4,936 14 5	4,46,594 7 [illegible]	
20	Large do. deposited from breakwater	"	8,615	1 12 0	"	15,075		8,614	1 12 0	15,075 13 0	...	15,075 13 0	...	15,075 13 0	
21	Concrete blocks for building	C. yds.	45,906	11 3 1	C. yd.	5,04,510		[illegible]	[illegible]	4,77,372 13 2	...	4,77,372 13 2	...	4,77,372 13 2	
22	Setting blocks at commencement	"	2,559	3 1 6	"	7,913		2,558	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 9 8	1,08,704 9 4	...	1,08,704 9 4	...	1,08,704 9 4	
24	Do. at Pierhead	"	12,850	11 1 3	"	1,36,845		9,160	15 11 5	1,32,417 [illegible] 7	9,252 4 0	1,41,669 11 7	2,349 9 8	1,44,019 4 10	
25	[illegible]		609	7 6 [illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	4,554 14 4	[illegible]	4,654 14 4	
26	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible] 4 7	8,127 9 7	698 4 3	8,826 13 11	
27	[illegible] Work and Caisson		184	15 9 0	"	2,767		...	...	...	...	...	...	...	
28	Wavebreaker concrete blocks	"	47,33[illegible]	11 1 6	"	5,24,070		39,192	11 7 2	4,45,911 7 1	...	4,45,911 7 1	...	4,45,911 7 1	
29	Depositing do.	"	47,714	1 5 8	"	64,708		39,975	1 6 2	53,147 [illegible]	739 1 [illegible]	53,887 4 4	166 1 10	55,053 [illegible]	
30	Concrete in protection to Rubble Base	"	1,200	9 10 6	"	16,429		1,108	13 7 8	14,932 9 1	...	14,932 9 1	...	14,932 9 1	
31	Cramps, Iron	No.	259	11 7 7	Each	2,972		228	10 10 7	2,334 0 11	11 7 7	2,345 8 6	...	2,345 8 6	
32	Concrete capping	C. yds.	16,247	11 5 8	C. yd.	1,84,493		660	21 [illegible] 4	14,146 0 4	...	14,146 0 4	...	14,146 0 4	
33	Iron Caisson	No.	1	...	"	18,000		...	...	21,750 6 1	...	21,750 6 1	...	21,750 6 1	
34	Preparing Base for and setting Cylindrical Pierhead		...	...	"	28,665		...	...	...	...	...	...	...	
	Total for South Pier		...	...	...	...	21,00,836			17,44,612 12 4	10,457 1 4	17,55,069 13 8	8,139 14 1	17,63,209 11 9	
	Extending the Rubble Revetment protecting the foreshore North of Harbour.														
35	Rubble Stone Revetment	Tons	70,600	2 1 0	Ton	1,45,613		90,169	1 8 5	1,38,907 2 7	...	1,38,907 2 7	99 8 0	1,39,006 10 7	
36	Railway Lines		...			9,849				10,914 10 10	...	10,914 10 10		10,914 10 10	
							1,55,462			1,49,821 13 5	...	1,49,821 13 5	99 8 0	1,49,921 5 5	
37	Tools and Plant		...			...	6,11,650	...		6,48,968 8 8	6,861 10 6	6,55,830 3 2	305 8 2	6,56,135 11 4	
38	Contingencies		...			...	2,17,415	...		1,90,358 14 10	3,422 10 11	1,93,781 9 9	276 4 9	1,94,057 14 6	
39	Establishment		...			...	5,34,869	...		5,39,554 1 7	11,446 0 5	5,51,000 15 0	...	5,51,000 15 0	
40	Materials at site (concrete blocks in yards)	C. yds.	...			...	...	6,392	14 6 5	87,079 8 7	−5,045 11 10	82,033 7 9	4,243 5 1	86,276 12 10	
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			55,58,581 1 3	54,281 8 11	56,12,862 10 2	23,440 12 2	56,36,303 6 4	
	Deduct Probable recoveries due to sales of Tools and Plant		...			...	2,77,281			−74,065 8 1	−115 11 11	−74,181 4 0	...	−74,181 4 0	
	Total		...			...	58,28,896			54,84,515 9 2	54,165 13 1	55,38,681 6 2	23,440 12 2	55,62,122 2 4	
	Total of revised Estimate sanctioned in Secretary of State Despatch, plus expenditure before 31st December 1884		...			...	1,23,83,386			1,20,39,006 8 0	54,764 13 1	1,20,93,172 8 0	23,440 12 2	1,21,16,613 1 2	
	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		...			...	1,23,83,386								
	Deduct Total Expenditure as per column 11		...			...	1,20,93,172								
	Total Estimated Cost of completing work after quarter ending		...			...	2,90,214								

Expenditure up to 31st March 1893 from commencement of works ... Rs. 1,19,34,529-4-6
Do. during current official year from 1st April 1893 to 31st December 1893 ... Rs. 1,53,643-0-6 Grant for 1893-94 Rs. 2,70,000
Total outlay to 31st December 1893 ... Rs. 1,20,88,172-5-0

Madras, 8th February 1894.

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

A. LEE POGSON,
Engineer, Harbour Trust Board.

I. STATEMENT OF GOODS IMPORTED FROM FOREIGN PORTS.

	Packages.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93.	Half year ending 30th September 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.
Apparel and Effects ...	Packages...	795	273	1,068	258	465	723	— 72
Alum	Barrels ...	584	102	686	852	48	900	+ 316
Asphalte, Tar, & Pitch.	Casks ...	1,901	428	2,329	1,619	330	1,949	+ 48
Acids ...	Cases ...	1,232	176	1,408	1,185	262	1,447	+ 215
Arms and Guns ...	,, ...	1,199	12	221	162	52	214	+ 15
Arrack ...	Casks ...	705	128	833	546	258	804	+ 99
Blankets... ...	Bales ...	163	5	168	9	15	24	— 139
Beef and Pork ...	Cases ...	...	...	...	...	...	...	...
Bricks ...	000 ...	401	150	551	1,550	...	1,550	+ 1,149
	Cases ...	6,395	2,315	8,710	3,541	1,014	5,158	— 1,237
Beer	Barrels ...	1,210	497	1,707	487	574	1,061	— 149
	Hogsheads	6,255	1,985	8,210	2,309	1,648	3,957	— 2,298
Boiler	No. ...	23	9	32	27	16	43	+ 20
Corks	Bundles ...	45	27	72	16	3	19	— 26
Canvas	Bales ...	131	62	193	455	17	472	+ 341
Candles	Cases ...	24,742	6,275	31,017	13,681	7,168	20,849	— 3,893
Colours	,, ...	2,789	497	3,286	1,658	772	2,430	— 359
Confectionery Provisions and Oilmanstores	,, ...	17,621	4,508	22,129	9,656	6,878	16,531	— 1,090
Crockery & Glassware	Crates & Casks.	2,645	1,172	3,817	2,828	1,471	4,299	+ 1,654
Chalk ...	Barrels ...	90	50	140	10	15	25	— 65
Cement ...	Casks ...	6,713	656	7,369	4,069	2,899	6,968	+ 255
Cast Iron Pipes and Tubes ...	Tons ...	1,181	255	1,436	712	114	826	— 355
Camphor ...	Tubs ...	3,290	1,559	4,349	2,987	1,079	4,066	+ 776
Coal	Tons ...	39,043	10,466	49,508	42,486	2,886	45,372	+ 6,330
Coke	,, ...	741	637	778	540	100	640	— 101
Fuel	,, ...	...	2,953	2,953	...	...	...	...
Crackers...	Cases ...	839	1	840	...	325	325	— 514
Copper Plates and Tiles	No. ...	344	177	521	2,708	3,833	6,541	+ 6,197
Corrugated Iron ...	Packages...	1,837	676	2,512	209	1,000	1,209	— 538
Dynamite ...	Cases ...	3,935	4,100	8,035	3,341	3,584	6,925	+ 2,993
Earthenware ...	Crates ...	1,516	370	1,886	917	363	1,280	— 236
Fire Clay ...	Casks ...	204	68	272	60	...	60	— 144
Flour	Bags and Barrels.	742	79	821	583	194	777	+ 35
Flannel ...	Bales ...	21	9	30	25	28	53	+ 32
Gunpowder ...	Packages...	4,095	1,892	5,987	3,105	100	3,205	— 890
Harmonium ...	Cases ...	17	10	27	19	5	24	+ 7
Hardware ...	Cases & Casks..	4,305	2,478	6,783	4,322	2,063	6,385	+ 2,080
Hops ...	Packages ...	44	20	64	31	22	53	+ 9
Iron ...	Tons ...	13,730	4,199	17,929	11,544	2,880	14,424	+ 694
Iron Safes ...	No. ...	136	14	150	52	19	71	— 65
Kerosine Oil	Cases ...	1,36,899	1,14,421	2,51,320	1,64,116	18,900	1,83,016	+ 46,117
	Tons ...	...	3,361	3,361	1,518	1,518	3,065	+ 3,066
Lime Water ...	,, ...	...	...	...	...	...	...	...
Malt ...	Bags ...	395	12	407	13	...	13	— 382
Millinery and Haberdashery ...	Cases ...	1,236	330	1,566	570	400	970	— 216
Matches	,, ...	6,495	2,630	9,125	4,304	2,249	6,553	+ 58
Machinery ...	Tons ...	2,271	970	3,241	1,506	1,671	3,177	+ 906
Nails	Kegs ...	7,372	3,175	10,547	7,648	3,982	11,630	+ 4,258
Oil and Turpentine ...	Drums ...	5,948	952	15,500	1,652	1,465	3,117	— 2,831
Piece Goods ...	Piece Goods	36,803	14,748	51,551	30,002	12,786	42,788	+ 5,985
	Twist.	14,988	3,676	18,664	12,072	4,831	16,903	+ 1,915
Paper ...	Bales ...	4,006	1,512	5,518	3,769	924	4,693	+ 687

STATEMENT OF GOODS IMPORTED FROM FOREIGN PORTS—*continued.*

——	Packages.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Total for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or Decrease as compared with corresponding period of last year.	
Piano	No.	81	18	99	57	30	87	+	6
Printing Types	Cases	659	68	727	166	79	245	—	414
Pig Lead	No.	917	181	1,098	1,989	94	2,083	+	166
Paint	Kegs	8,625	1,632	10,257	3,884	1,769	5,153	—	3,472
Rattan	Bundles	3,352	2,317	5,669	627	1,066	1,693	—	1,659
Soaps	Cases	522	448	970	1,382	440	1,742	+	1,220
Salt	,,	249	80	329	48	76	124	—	125
Steel	Cases & Casks	1,747	1,596	3,343	568	192	760	—	987
Steel Bundles and Bars	No.	6,765	3,636	10,401	6,228	2,194	8,422	+	1,657
Steel Hoop	Bundles	1,189	408	1,597	4,874	...	4,874	+	3,685
Shovels	,,	441	58	499	2	...	2	—	439
Sodawater Bottles	Crates	1,424	344	1,768	840	390	1,237	—	186
Sulphur	Casks	455	..	455	223	...	223	—	210
Shot	Kegs	21	35	56	87	129	216	+	195
Sundries	Packages	23,580	10,026	33,606	28,606	14,388	42,994	+	19,414
Specie	No.	664	224	888	364	171	535	—	129
Sugar	Bags	1,042	154	1,196	2,616	50	2,666	+	624
Slates and Pencils	Cases	569	279	848	738	238	971	+	402
Spelter	Cakes	5,410	3,376	8,786	6,376	2,888	9,264	+	3,854
Saw	Cases	40	8	48	48	16	64	+	24
Twine and Rope	Bales & Coils	439	25	455	400	14	414	—	16
Tin Plates	Boxes	2,311	1,338	4,649	3,640	1,194	4,834	+	2,523
Wine and Spirits	Cases	32,746	11,993	44,739	18,235	7,746	25,981	—	6,765
	Casks	470	188	658	232	119	351	—	119
	Puncheons	495	288	783	417	459	876	+	381
Window Glasses	Cases	7,063	4,937	12,000	9,156	513	9,669	+	2,606
White and Red Lead	Kegs	676	275	951	283	261	544	—	132
Yellow Metal	Cases	2,037	1,324	3,361	1,819	495	2,314	+	277
Zinc Sheets	Packages	1,208	482	1,690	558	455	1,013	—	195
Horses	No.	636	323	959	313	338	651	+	15
Ponies	,,	88	24	112	127	14	141	+	53
Cows	,,	11	4	15	2	5	6	—	5
Dogs	,,	3	11	14	...	...	...	—	3
Elephants	,,	...	7	7	6	...	6	+	6
Two-wheeled Carriage	,,	3	...	8	2		9	+	5

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

——	Packages.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Stores	Packages	23,833	49,601	72,434	46,342	6,306	46,648	+	23,815
	Tons	499	...	499	6	150	156	—	343
Fuel	,,	...	...	...	...	...	...	...	...
Coke	,,	141	403	544	628	...	628	+	487
Coal	,,	...	300	300	...	...	...	—	684
Timber	,,	684	1,399	2,083	..	..	...	—	98
Fire Brick	100	98	232	330	...	...	...		

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

——	Packages.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Stores	Packages	14,860	7,311	22,171	6,589	3,905	10,444	—	4,416
	Tons	...	...	...	22	...	22	+	22
Fuel	Tons	...	...	...	...	...	...	...	...
Coke	,,	...	...	...	...	...	...	...	...
Coal	,,	...	...	...	...	...	...	...	...
Timber	,,	...	...	...	...	...	...	...	...
Boiler	No.	5	7	12	10		10	+	5

IV. STATEMENT OF GOODS IMPORTED FROM COAST PORTS.

——	Packages.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Apparel and Effects	Packages	238	105	343	196	70	266	+	28
Alum	Barrels	187	...	187	7	...	7	—	180
Acids	Cases	33	92	125	202	47	249	+	216
Animals	No.	10	...	10	...	...	...	—	10
Arms and Guns	Cases	10	2	12	4	2	6	—	4
Boilers	No.	...	...	...	...	...	...	...	...
Bricks and Tiles	100	57	...	57	517	70	587	+	530
Coffee	Bags	475	120	595	480	33	513	+	48
Candles	Cases	...	...	...	2	5	7	+	7
Colours	,,	1,406	125	1,531	1,315	115	1,430	+	26
Crockery and Glassware	,,	291	175	466	202	111	313	+	22
Coal	Tons	6,277	7,515	13,792	8,355	7,120	15,475	+	9,198
Coke	,,	...	...	...	...	...	...	...	...
Carpets	Bales	67	27	94	46	27	73	+	6
Camphor and Benjamin	Tubs	1,100	206	1,306	344	39	383	—	717
Copra	Bags	...	...	...	...	...	...	...	...
Crackers	Cases	...	...	...	...	...	...	...	...
Copper	,,	908	28	936	558	...	558	—	350
Do.	Tiles & Ingots	421	...	421	1,411	769	2,180	+	759
Cutch & Lac	Packages	2,634	557	3,191	2,093	761	2,854	+	220
Cocoanuts	No.	...	415	415	2,023	...	2,023	+	2,023
Earthenware	Crates	2,920	21	2,941	390	...	390	—	2,530
Do.	Pipes	3,525	2,790	6,315	936	14	950	—	2,575
Firewood	Tons	...	...	...	...	...	...	...	...
Flour	Bags & Barrels	8,724	2,958	11,682	5,969	2,775	8,744	+	120
Gunnies	Bales	3,502	6,159	9,661	5,306	2,053	7,859	+	3,857
Gram and Peas, &c.	Bags	2,95,649	84,496	3,80,145	2,02,075	1,28,028	3,30,103	+	34,454
Garlic	,,	1,215	...	1,215	4,027	1,465	5,492	+	4,277
Hardware	Cases	523	674	1,197	744	571	1,315	+	792
Horns	Bundles	794	186	980	209	116	325	—	469
Hides	Bales	7,795	1,744	9,539	2,664	1,367	4,031	—	3,764
Iron	Tons	193	100	293	67	39	106	—	87
Iron Safes	No.	23	15	38	14	2	16	+	7
Kerosine Oil	Cases	...	...	...	500	...	500	+	500
Leaves	Bundles	3,325	417	3,742	3,919	716	4,635	+	1,310
Liquor	Cases	...	...	...	1,185	360	1,545	+	1,545
Machinery	Tons	58	21	79	16	15	31	—	27
Millinery and Haberdashery	Cases	149	96	245	65	28	93	—	56
Oil and Turpentine.	Drums	4,240	2,129	6,369	3,464	679	4,143	—	97
Paddy	Bags	52,820	23,160	75,980	74,061	46	14,107	—	38,713
Piece-goods	Cases and Bales	3,069	1,687	4,756	2,117	563	2,680	—	389
Paper	Bales	3,322	1,576	4,898	3,858	1,115	4,973	+	1,651
Paint	Kegs	379	304	685	128	56	184	—	195
Piano	No.	9	3	12	2	2	4	—	5
Rice	Bags	1,48,033	57,143	2,05,176	48,559	33,845	82,404	—	65,629
Rose Water	Cases	1,550	265	1,815	652	349	1,001	—	549
Seeds	Bags	19,541	6,206	25,747	8,959	2,012	10,971	—	8,570
Skins	Bales	3,084	1,968	5,052	3,174	1,910	5,084	+	2,000
Silk	,,	627	72	699	211	40	251	—	376
Sandalwood	Bundles	38	83	121	32	2	34	—	4
Sugar	Bags	575	291	866	675	248	923	—	348
Specie	No.	81	109	190	26	21	47	—	34
Sundries	Packages	35,814	11,323	47,137	16,671	13,614	30,285	—	5,529
Soap	Cases	23	17	40	30	16	46	+	23
Sulphur	Casks	471	73	544	219	71	320	—	151
Spice	Packages	563	177	740	340	247	587	+	24
Soda water Bottles	Crates	...	...	...	4	228	232	+	232
Twine and Rope	Bales and Coils	543	232	775	909	58	967	+	424
Tin Plates	Boxes	685	227	912	462	189	651	—	34
Twist	Bales	977	170	1,147	673	292	965	—	12
Turmeric	Bags	3,078	1,269	4,977	2,821	848	3,669	+	591
Timber	Tons	7,220	3,375	10,595	6,921	2,770	9,691	+	2,471
Tea	Cases	3,397	14	3,411	37	...	37	—	3,360
Tamarind	Bundles	...	...	...	72	16	88	+	88
Yellow Metal	Cases	497	45	542	1,074	4	1,078	+	581
Horses	No.	8	7	15	...	8	8	...	
Two-wheeled Carriages	No.	2	2	4	2	1	3	+	1
Four-wheeled Carriages	No.	...	3	3	5	...	5	+	5

V. STATEMENT OF GOODS EXPORTED TO FOREIGN PORTS.

—	Packages.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Beer and Ale ...	Cases ...	2	...	2	12	Nil.	12	+	10
	Casks ...	7	...	7	...	...	...	—	7
	Hogsheads ...	...	...	...	...	...	...	...	...
Cinchona Bark ...	Bales ...	469	60	529	300	111	411	—	58
Chillies ...	Bags & Bundles.	9	...	9	145	301	446	+	437
Cigars ...	Cases ...	377	179	556	201	168	369	—	8
Coffee ...	Bags ...	15,599	19,014	34,613	3,517	101	3,618	—	11,981
Cotton ...	Bales ...	23,321	2,819	26,140	35,641	16,911	52,552	+	29,231
Cotton Twist ...	,, ...	5,266	60	5,326	542	669	1,211	—	3,995
Coriander and Onum Seeds ...	Bags ...	1,520	294	1,814	2,901	2,175	5,076	+	3,556
Carpets ...	Bales ...	196	92	288	156	59	215	+	19
Coal ...	Tons ...	313	...	313	185	120	305	—	8
Deer Horns ...	Packages ...	1,920	179	1,549	385	182	567	—	823
Explosive ...	Cases ...	1	...	1	...	...	...	—	1
Firewood ...	Tons ...	...	...	...	...	...	...	...	...
Four-wheeled Carriages ...	No. ...	2	...	2	2	1	3	+	1
Ground Nuts ...	Bags ...	22,802	3,407	26,209	1,14,060	16,372	1,30,432	+	1,07,630
Gram, Peas, &c. ...	,, ...	136	25	161	1,604	35	1639	+	1,503
Horns, Cow and Buffalo ...	Tons ...	22	7	29	13	10	23	+	1
Hides, Tanned ...	Bales & Bundles.	16,694	5,118	21,812	5,310	2,256	7,566	—	9,128
Indigo ...	Cases & Chests.	16,345	9,588	25,933	7,037	8,028	15,065	—	1,280
Iron ...	Tons ...	11	...	11	13	...	13	+	2
Jaggery ...	Bags ...	20,179	36,493	56,672	48,968	3,700	52,668	+	32,489
Myrabolams ...	Bags ...	91	...	91	563	...	563	+	472
Miscellaneous ...	Packages ...	21,820	6,727	28,547	10,732	7,188	17,920	—	3,900
Onions ...	Bags & Baskets	5,417	200	5,617	8,133	5,581	13,714	+	8,297
Oil ...	Casks ...	47	9	56	193	9	202	+	155
Piece-goods ...	Bales and Cases.	3,896	961	4,857	2,789	2,307	5,096	+	1,200
Potatoes ...	Bags & Baskets.	272	10	282	824	144	968	+	696
Poonac ...	Bags ...	13,891	2,236	16,127	16,641	8,725	25,366	+	11,475
Piano ...	No. ...	10	...	10	4	11	15	+	5
Paddy ...	Bags ...	5	...	5	22	...	22	+	7
Rice ...	,, ...	2,640	589	3,229	6,102	6,367	12,469	+	9,829
Redwood ...	Tons ...	999	655	1,654	423	8	431	—	568
Seeds, Gingelly and Castor ...	Bags ...	8,350	4,304	12,654	9,361	363	9,724	+	1,374
Skins, Sheep and Goat, Tanned ...	Bales ...	24,677	9,289	34,063	13,809	6,157	19,966	—	4,711
Sandalwood ...	Bundles ...	44	286	330	459	239	698	+	654
Spirits and Wine	Cases ...	19	22	41	19	...	19	...	...
	Casks ...	65	...	65	29	...	39	—	26
	Puncheons ...	...	...	...	...	...	...	...	...
Sugar ...	Bags ...	84	77	161	445	409	854	+	770
Specie ...	Boxes ...	30	18	48	13	14	27	—	3
Tamarind ...	Bundles ...	3,497	1,834	5331	710	385	1,095	—	2,402
Turmeric ...	Bags ...	611	330	941	765	372	1,137	+	526
Tea ...	Cases ...	1,579	190	1,769	1,060	349	1,409	—	170
Two-wheeled Carriages ...	No. ...	...	...	...	...	2	2	+	2
Wool ...	Bales ...	1,106	384	1,470	769	185	954	—	152
Yellow Metal ...	Tons ...	100	...	100	117	170	287	+	187

STATEMENT OF GOODS EXPORTED TO COAST PORTS.

—	Packages.	For 9 months ending 31st December 1893.	Quarter ending 31st March 1893.	Totals for 1892-93	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Beer and Ale ...	Cases ...	225	69	294	156	23	179	—	46
	Casks ...	70	24	94	27	3	30	—	40
	Hogsheads ...	15	26	41	128	9	137	+	122
Boiler ...	No. ...	...	...	...	1	...	1	+	1
Cinchona Bark ...	Bales ...	84	...	84	...	...	...	—	84
Chillies ...	Bags & Bundles	2,670	237	2,907	4,818	2,970	7,788	+	5,118
Cigars ...	Cases ...	876	260	1,136	311	217	528	—	348
Coffee ...	Bags ...	1,338	111	1,449	305	53	358	—	980
Cotton ...	Bales ...	2,717	1,528	4,245	5,844	1,000	6,844	+	4,127
Cotton Twist ...	,, ...	4,857	1,281	6,138	1,540	647	2,187	—	2,670
Coriander and Onum Seeds ...	Bags ...	3,125	3,877	7,002	3,180	1,103	4,283	+	1,158
Cement ...	Casks ...	8,611	297	8,908	54	...	54	—	8,557
Carpets ...	Bales ...	39	12	51	23	9	32	—	7
Coal ...	Tons ...	100	350	450	82	25	107	+	7
Deer Horns ...	Packages ...	101	50	151	49	3	52	—	49
Explosive ...	Cases ...	373	958	1,331	20	12	32	—	341
Eggs ...	Pots ...	729	396	1,125	414	336	750	+	21
Firewood ...	Tons ...	...	...	...	...	...	...	...	...
Four-wheeled Carriage	No. ...	19	12	31	14	6	20	+	1
Groundnuts ...	Bags ...	10,880	6,959	17,839	8,226	884	9,110	—	1,770
Gram, Peas, &c. ...	,, ...	686	540	1,226	204	2	206	—	480
Horns, Cow and Buffalo ...	Tons ...	208	99	307	85	9	94	—	114
Hides ...	Bales & Bundles	362	164	526	331	81	412	+	50
Indigo ...	Cases & Chests.	616	200	816	708	202	910	+	294
Iron ...	Tons ...	2,428	183	2,611	322	108	430	—	1,998
Jaggery ...	Bags ...	443	1,323	1,448	120	75	195	—	248
Kerosine Oil ...	Cases ...	439	220	659	580	12	592	+	153
Myrabolams ...	Bags ...	19	272	291	1,087	10	1,097	+	1,078
Miscellaneous ...	Packages ...	35,699	33,885	69,584	39,334	5,720	45,054	+	9,355
Onions ...	Bags & Baskets	33,028	20,378	53,406	21,281	21,363	42,644	+	9,616
Oil ...	Casks ...	566	71	637	222	4	226	—	340
Piece-goods ...	Bales & Cases	5,681	2,970	8,651	3,067	1,404	4,471	—	1,210
Potatoes ...	Bags & Baskets	23,622	766	24,388	11,556	18,532	30,088	+	6,466
Poonac ...	Bags ...	13,329	8,852	22,181	8,128	310	8,438	—	4,891
Piano ...	No. ...	14	2	16	6	6	12	—	2
Paddy ...	Bags ...	1,550	7,256	8,806	5,100	3,300	8,400	+	6,850
Rice ...	,, ...	17,678	14,215	31,893	6,645	2,375	9,020	—	8,658
Redwood ...	Tons ...	693	...	693	2	2	4	—	689
Seeds, Gingelly and Castor ...	Bags ...	1,286	4,501	2,787	15,952	1,417	17,369	+	16,083
Skins, Sheep & Goat, Tanned ...	Bales ...	509	537	1,046	529	147	676	+	167
Sandalwood ...	Bundles ...	225	31	256	523	2,242	2,765	+	2,540
Spirits	Cases ...	3,050	733	3,783	1,412	826	2,238	—	812
	Casks ...	492	224	716	596	309	905	+	413
	Puncheons ...	98	91	189	159	51	210	+	112
Sugar ...	Bags ...	1,170	249	1,419	316	134	450	—	720
Specie ...	Boxes ...	470	40	510	25	11	36	—	434
Tamarind ...	Bundles ...	6,319	1,934	8,253	3,006	...	3,006	—	3,313
Turmeric ...	Bags ...	11,731	6,152	17,883	20,503	7,923	28,426	+	16,695
Tea ...	Cases ...	47	15	62	24	12	36	—	11
Two-wheeled Carriage	No. ...	10	6	16	6	2	8	—	2
Wool ...	Bales ...	455	148	603	267	73	340	—	115
Yellow Metal ...	Tons ...	67	...	67	236	...	236	+	189

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

Department.	Description.	Class.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Accountant-General.	Specie Silver.	Boxes	470	112	582	174	84	258	—	212
	„ Copper.	„	...	710	710	560	...	560	+	560
	Silver & Copper	„	...	...	...	...	...	...	—	...
	Notes	„	10	2	19	...	1	1	—	9
	Packages	No.	1	...	1	...	...	...	—	1
State Railway	Packages and Pieces	„	...	...	...	...	...	...		...
	Rails	„	...	...	...	...	...	...		...
	Sleepers	„	...	...	...	...	...	...		...
	Bridge Works	Tons	...	...	...	...	...	...		...
Public Works Department	Boilers	No.	...	...	...	...	...	...		...
	Coal	Tons	20	...	20	...	...	...	—	20
	Iron	„	...	...	9	...	...	...		...
	Stores	Pkgs.	3,754	1,248	6,194	1,856	8,422	10,278	+	6,524
	Coal	Tons	...	...	...	...	...	...		...
Ordnance	Ammunition	Boxes	...	...	...	...	...	...		...
	Stores	Pkgs.	7,641	6,812	28,566	16,504	3,421	19,925	+	12,284
Madras Harbour Works	Cement	Casks	...	...	...	...	...	...		...
	Stores	Pkgs.	...	...	...	...	...	...		...
	Coal	Tons.	...	...	...	...	...	...		...
Clothing	Packages	No.	1,526	391	2,324	753	784	1,537	+	11
Police	„	„	156	5	167	124	15	139	—	17
Salt Revenue	„	„	276	11	291	46	28	72	—	204
Post Office	„	„	487	283	858	350	195	545	+	58
Medical	„	„	489	510	1,007	987	84	1,071	+	582
Telegraphs	„	„	7,050	13,656	24,126	5,161	2,766	7,928	+	878
Stationery	„	„	418	288	1,197	381	493	874	+	456
Stamps	„	„	901	101	1,122	1,449	262	1,711	+	810
Commissariat	„	„	5,083	1,165	7,420	1,844	274	2,118	—	2,965
Gazette Press	„	„	134	5	149	90	...	90	—	44
Marine	„	„	275	147	880	93	318	473	+	198
Supt., Railway Mail Service	„	„	...	...	...	...	...	...		...
Revenue Survey	„	„	206	1	208	...	7	18	—	188
Agriculture	„	„	310	4	320	124	6	140	—	170
Government Central Museum	„	„	5	2	10	5	3	8	+	3
Under Secy. Government	„	„	473	17	504	40	28	68	—	405
Supt. of Prisons	„	„	13	4	17	6	...	7	—	6
Revenue Board	„	„	20	6	33	2	5	8	—	12
Forests	„	„	3	6	10	2	...	2	—	1
Bank of Madras	Specie Silver.	Boxes	...	...	...	...	...	...		...
	„ Copper	„	...	...	...	...	...	...		...
Presidency College	Packages	No.	8	6	15	2	...	2	—	6
School of Arts	„	„	...	1	1	1	...	1	+	1
Sanitary Commissioner	„	„	...	...	...	...	1	1	+	1
Inspector of Cattle Diseases	„	„	...	...	100	...	...	...		...
Chemical Examiner	„	„	11	7	31	7	3	10	—	1
Medical College	„	„	2	16	31	14	2	16	+	14
Dy. Collectors	„	„	11	2	15	7	...	6	—	5
Camp Equipage	„	„	...	...	...	...	...	...		...
Astronomer	„	„	11	...	13	14	3	17	+	6
Presidency Pay Master	„	„	8	...	8	...	4	4	—	4
Registration	„	„	4	...	4	...	...	...	—	4
Director of Public Instruction	„	„	137	...	139	4	...	4	—	133
Superintendent, Remount Depôt, Hussur.	„	„	250	300	600	211	...	211	—	139
Resident, Mysore, in Bangalore.	„	„	1	1	2	6	2	8	+	7
Secretary for Berar Hyderabad.	„	„	6	1	7	17	1	18	+	12
H.E. Lord Wenlock Government House, Madras.	„	„	...	2	2	...	...	...		...
Judge, Civil City Court, Madras.	„	„	...	1	1	...	...	...		...
Quarter Master Genel.	„	„	...	...	3	3	11	14	+	14
Registrar of High Court.	„	„	...	...	1	2	...	2	+	2
Civil Engineering College.	„	„	...	...	...	...	20	20	+	20

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

Department.	Description.	Class.	For 9 months ending 31st December 1892.	Quarter ending 31st March 1893.	Totals for 1892-93.	Half-year ending 30th Sept. 1893.	Quarter ending 31st Dec. 1893.	Total for 9 months ending 31st December 1893.	Increase or decrease as compared with corresponding period of last year.	
Accountant General	Specie Silver.	Boxes.	36	6	45	95	...	95	+	59
	„ Copper.	„	198	...	200	103	...	103	—	95
	„ Notes...	„	7	3	13	3	3	6	—	1
	„ Packages	No.	1	...	1	1	...	1	...	
Bank of Madras	„ Silver...	Boxes.	...	...	...	...	...	...	...	
„ „	„ Copper.	„	62	...	62	84	...	84	+	22
Ordnance	Packages & Pieces.	No.	2,555	1,540	5,831	3,162	1,826	4,988	+	2,433
Public Works Department	„	„	220	217	488	239	207	466	+	246
Clothing	„	„	740	195	1,086	535	343	878	+	188
Police	„	„	688	112	974	647	122	769	+	81
Salt Revenue	„	„	473	199	725	472	56	528	+	55
Medical	„	„	812	696	1,610	1,105	276	1,381	+	569
Telegraph	„	„	176	440	4,330	1,477	1,200	2,671	+	2,495
Stationery	„	„	324	374	780	261	95	356	+	32
Stamps	„	„	122	66	298	95	64	159	+	37
Commissariat	„	„	3,291	2,005	6,205	2,714	1,662	4,376	+	1,085
Gazette Press	„	„	328	105	503	216	107	323	—	5
Marine	„	„	221	74	366	27	3	30	—	191
Revenue Board	„	„	23	10	37	39	47	86	+	63
Revenue Settlement	„	„	70	5	84	37	3	40	—	30
Revenue Survey	„	„	312	71	452	174	32	206	—	106
Superintendent of Prisons	„	„	136	52	196	36	52	88	—	48
Registration	„	„	...	43	43	1	...	1	+	1
Conservator of Forests	„	„	8	15	33	1	...	1	—	7
Quarter-Master General	„	„	4	...	4	...	...	...	—	4
Government Central Museum	„	„	19	1	22	10	3	13	—	6
Deputy Collectors	„	„	9	...	9	...	...	...	—	9
Camp Equipage	„	„	...	...	...	...	...	...	...	
Government Astronomer	„	„	14	5	18	6	3	9	—	5
Agriculture	„	„	3	5	8	2	...	2	—	1
General Hospital	„	„	...	...	...	...	...	...	...	
State Railways	„	„	...	...	...	...	...	...	...	
Inspector of Cattle Diseases	„	„	1	...	1	...	...	...	—	1
Chemical Examiner	„	„	1	...	1	...	...	...	—	1
Director of Public Instruction	„	„	4	...	6	13	...	13	+	9
Registrar of University	„	„	3	...	10	...	5	5	+	2
Collectors	„	„	...	...	...	6	...	6	+	6
Curator of Government Garden, Ooty	„	„	...	...	...	2	7	9	+	9
Engineer, H. T. Board	„	„	...	...	...	...	...	...	...	
Crown Officer, High Court	„	„	9	8	18	5	...	5	—	4
School of Arts	„	„	...	...	...	...	...	...	...	
Secretary to Government, Public Department	„	„	...	...	...	...	...	...	...	
Registrar-General of Births, Deaths and Marriages	„	„	...	...	...	...	...	...	...	
Inam Commissioner	„	„	...	...	...	...	...	...	...	
Consulting Engineer to Government Railways.	„	„	...	...	...	...	...	...	...	
Civil Engineering College	„	„	...	1	1	...	...	...	...	
Superintendent, Census Operations.	„	„	...	4	4	1	...	1	+	1
Post Office	„	„	...	...	1	2	...	2	+	2
Sanitary Commissioner	„	„	1	...	1	2	...	2	+	2

To

THE SECRETARY,
Harbour Trust Board, Madras.

S. HUTCHENCE,
Traffic Manager,
Harbour Trust Board.

Rc. 798 W. dy 28th March 1894

PUBLIC WORKS DEPARTMENT.

B.T. Underlay

PROCEEDINGS OF THE MADRAS GOVERNMENT.

188-288/325

READ the following

Endt. in the Marine dept. No. 361 dy 23d Feby. 94,
on Progress Report of the madras Harbour for the
quarter ending 31st December 93, from the Chairman
H. T. Board No. 3890 dy 16 Feby. 94.

249

Ordered to be
forwarded for the infor-
-mation of the Secretary
of State and the Govt.
of India.

(Sd. W. 5 Mar.

(Rc. No. 799 W dy 28th March 94

Copy of the above,
with two plans showing
the progress of the work,
forwarded to the Govern-
-ment of India

To
The Chairman. H.T. Bd
" Marine dept.

28/3

(40—2,000—11-10-93.

(Ceylon No 2 Harbour)
(No 1 of 1894)

The Right Honble
the Secy: of State
for India,

My Lord,

In continuation of
our despatch No 1 of 8 inst. of
2nd January 1894, we have
the honour to forward,
the progress report of the
Colombo Harbour Works
to the quarter ending
31st December 1893.

2. The report is accom-
panied by two plans
showing the position &
quantity of work done
during the quarter.

We have, &c
(Signed) [illegible]
[illegible]

Enclosures

137

Brecknock Canal Works

Ordered that the Engineer
report to the — Quarter
Sessions held on the 31st day
of October 93 the
Estimate for the Intended
Canal from the Town
of Brecknock to the
Canal Wharf in the
Parish of Llanfrynach

Brecknock Canal Works

Estimate of the
Expence of the —
Canal from the Town
of Brecknock to the
Canal Wharf in the
Parish of Llanfrynach

Brecknock Works Engineer
ending 31st October 93
together with the Plans
shewing the position &
quantity of work done
during the Quarter.